

SPECTHERM

Thermocouple and RTD

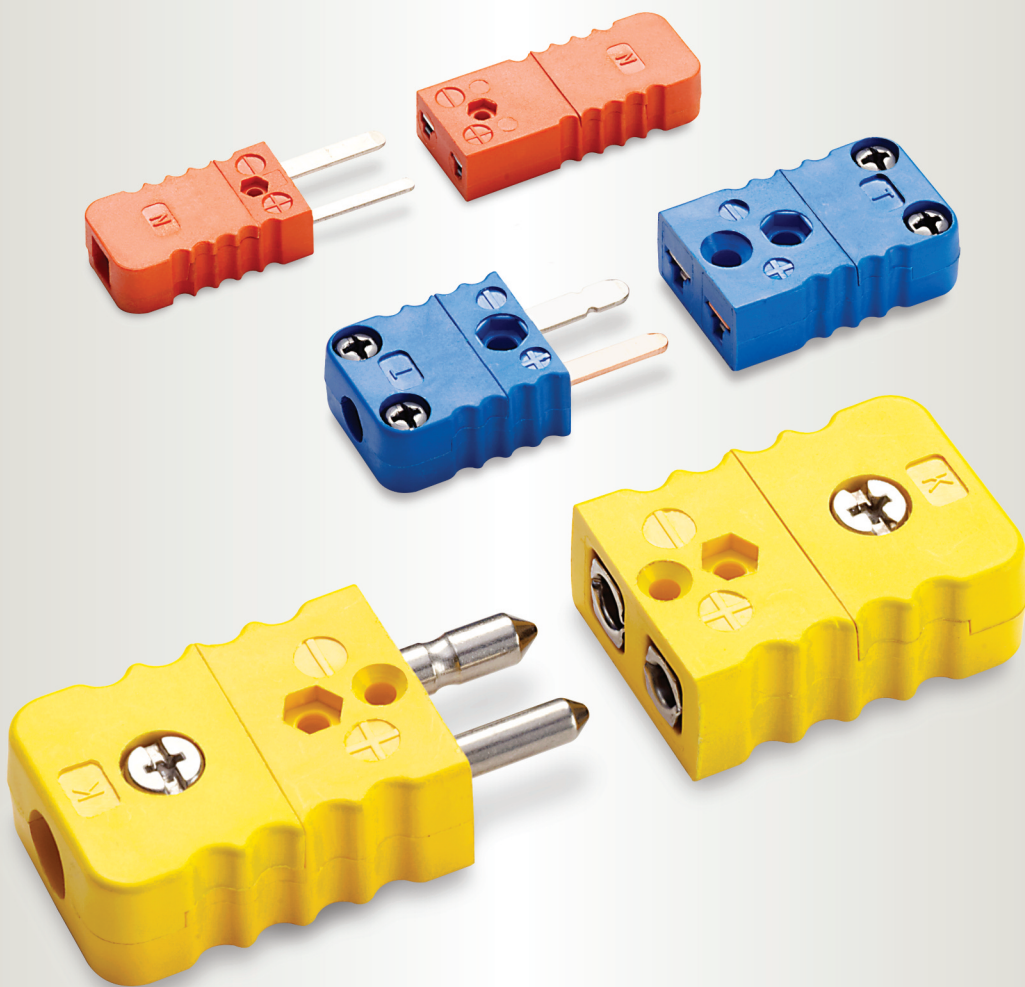
Connectors

OneTemp[®] pty Ltd

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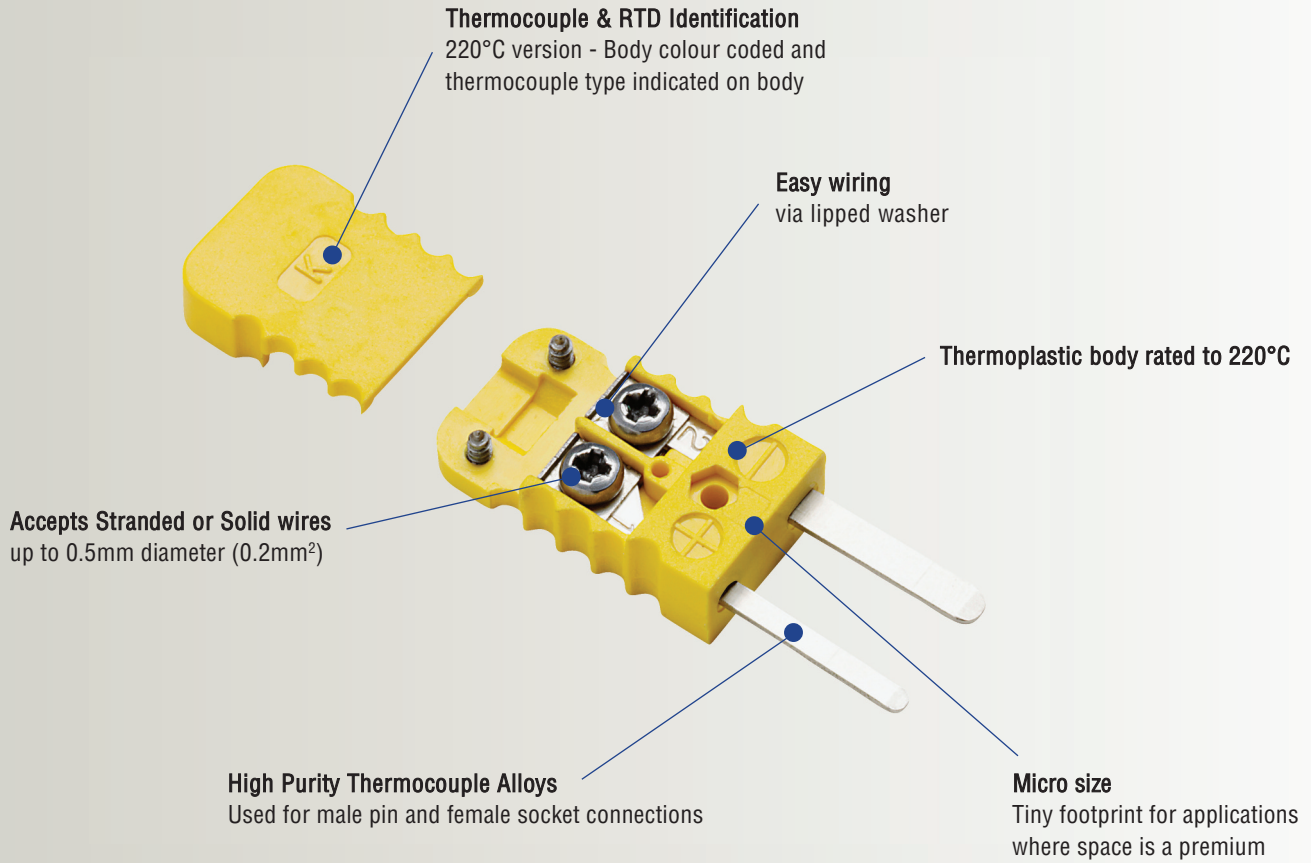
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**Micro, Miniature and Standard
Thermocouple & RTD Connector Systems**

Micro Thermocouple & RTD Connectors - Features



Colours available: ANSI, IEC, DIN or JIS

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
ANSI/MC96.1							

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
IEC 60584.3							

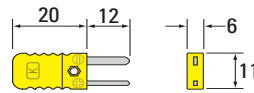
Calibration Type	K	T	U	J	L	R/S	E
Conductors	NiCr/ NiAl	Cu/ Con	Cu/ Con	Fe/ Con	Fe/ Con	Cu/ Alloy 11	NiCr/ Con
DIN 43714							

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
JIS C 1610							

* Not an internationally recognised standard

Micro Plugs rated to 220°C

M11 Micro Plug

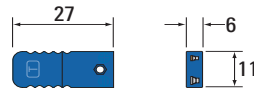


Type K ANSI illustrated (M11K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
M11K-A	K	Yellow	M11K-I	K	Green
M11T-A	T	Blue	M11T-I	T	Brown
M11J-A	J	Black	M11J-I	J	Black
M11N-A	N	Orange	M11N-I	N	Pink
M11RS-A	R/S	Green	M11RS-I	R/S	Orange
M11E-A	E	Purple	M11E-I	E	Purple
M11B-A	B	Grey	M11B-I	B	Grey
M11CU	Cu	White	M11CU	Cu	White

Micro Sockets rated to 220°C

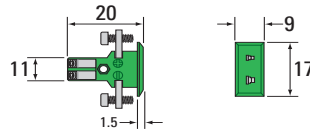
M20 Micro Socket



Type T ANSI illustrated (M20N-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
M20K-A	K	Yellow	M20K-I	K	Green
M20T-A	T	Blue	M20T-I	T	Brown
M20J-A	J	Black	M20J-I	J	Black
M20N-A	N	Orange	M20N-I	N	Pink
M20RS-A	R/S	Green	M20RS-I	R/S	Orange
M20E-A	E	Purple	M20E-I	E	Purple
M20B-A	B	Grey	M20B-I	B	Grey
M20CU	Cu	White	M20CU	Cu	White

M29 Micro Panel Socket - Rectangle Flanged with Bracket

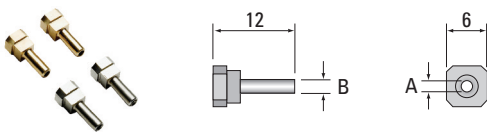


Type R/S ANSI illustrated (M29RS-A). Recommended cutout: 6mm x 14mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
M29K-A	K	Yellow	M29K-I	K	Green
M29T-A	T	Blue	M29T-I	T	Brown
M29J-A	J	Black	M29J-I	J	Black
M29N-A	N	Orange	M29N-I	N	Pink
M29RS-A	R/S	Green	M29RS-I	R/S	Orange
M29E-A	E	Purple	M29E-I	E	Purple
M29B-A	B	Grey	M29B-I	B	Grey
M29CU	Cu	White	M29CU	Cu	White

Micro Connector Accessories and Panels

Crimp Adaptors – For Micro Connectors



Application

The adaptor can be crimped onto a mineral insulated cable or metal tube so it may then be attached to a micro connector (stainless steel versions may also be brazed). They can also be used to crimp some soft materials such as PVC or PFA wires or cables.


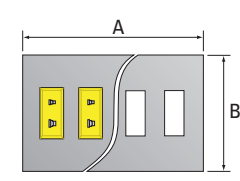
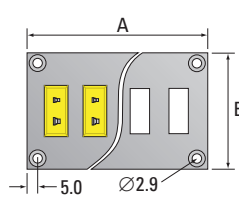
Construction

Brass or Stainless Steel.

Sheath Diameter 'A'	Crimp Dimension 'B'	Part codes for use with 220°C rated Micro connectors: M11 and M20	
		Plain Brass	Stainless Steel*
0.5mm	2.4mm	M8905B	M8005
1.0mm	2.4mm	M8910B	M8010
1.5mm	2.4mm	M8915B	M8015
1.6mm (1/16")	2.4mm	M8916B	M8016
2.0mm	3.2mm	M8920B	M8020
3.0mm	4.5mm	M8930B	M8030
3.2mm (1/8")	4.5mm	M8932B	M8032

* Stainless Steel inserts may be crimped or brazed to sheath

Anodised Aluminium Panels – For Flanged Micro Connectors

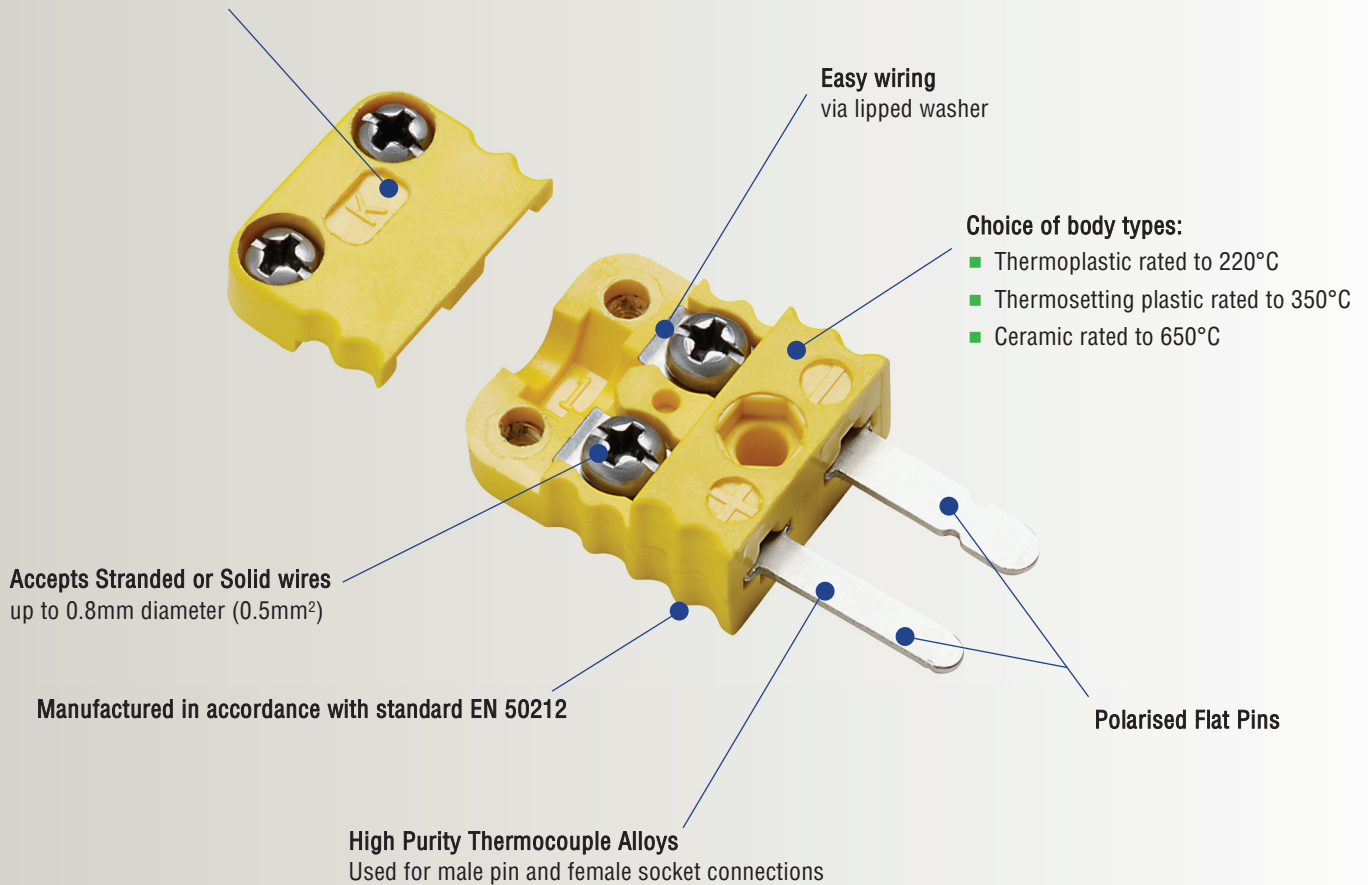
For use with connector M29		MFP Panel without panel mounting holes	MFS Panel with panel mounting holes
			
		No. of Channels	Dimensions A x B in mm
1	22 x 36	MFP01	MFS01
2	35 x 36	MFP02	MFS02
4	61 x 36	MFP04	MFS04
6	87 x 36	MFP06	MFS06
8	113 x 36	MFP08	MFS08
10	139 x 36	MFP10	MFS10
12	165 x 36	MFP12	MFS12
16	113 x 60	MFP16	MFS16
20	139 x 60	MFP20	MFS20
24	165 x 60	MFP24	MFS24

All dimensions are in mm

Miniature Thermocouple & RTD Connectors - Features

Thermocouple & RTD Identification

- 220°C version - Body colour coded and thermocouple type indicated on body
- 350°C version - Thermocouple type indicated on body
- 650°C version - Colour dot on body



Colours available: ANSI, IEC, DIN or JIS

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
ANSI/MC96.1							

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
IEC 60584.3							

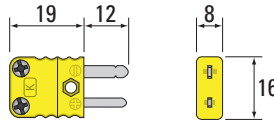
Calibration Type	K	T	U	J	L	R/S	E
Conductors	NiCr/ NiAl	Cu/ Con	Cu/ Con	Fe/ Con	Fe/ Con	Cu/ Alloy 11	NiCr/ Con
DIN 43714							

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
JIS C 1610							

* Not an internationally recognised standard

Miniature Plugs rated to 220°C

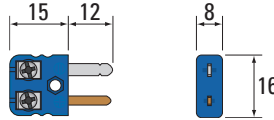
F11 Miniature Plug



Type K ANSI illustrated (F11K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F11K-A	K	Yellow	F11K-I	K	Green
F11T-A	T	Blue	F11T-I	T	Brown
F11J-A	J	Black	F11J-I	J	Black
F11N-A	N	Orange	F11N-I	N	Pink
F11RS-A	R/S	Green	F11RS-I	R/S	Orange
F11E-A	E	Purple	F11E-I	E	Purple
F11B-A	B	Grey	F11B-I	B	Grey
F11CU	Cu	White	F11CU	Cu	White

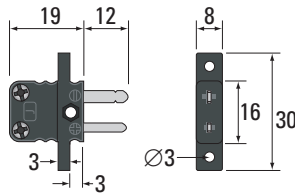
F14 Miniature Plug - Quick Wire



Type T ANSI illustrated (F14T-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F14K-A	K	Yellow	F14K-I	K	Green
F14T-A	T	Blue	F14T-I	T	Brown
F14J-A	J	Black	F14J-I	J	Black
F14N-A	N	Orange	F14N-I	N	Pink
F14RS-A	R/S	Green	F14RS-I	R/S	Orange
F14E-A	E	Purple	F14E-I	E	Purple
F14B-A	B	Grey	F14B-I	B	Grey
F14CU	Cu	White	F14CU	Cu	White

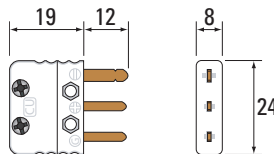
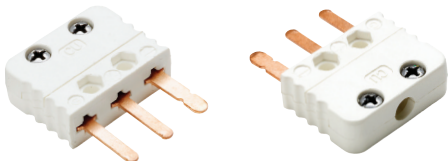
F37 Miniature Panel Plug - Lugged



Type J ANSI illustrated (F37J-A). Recommended cutout: 8.5mm x 16.5mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F37K-A	K	Yellow	F37K-I	K	Green
F37T-A	T	Blue	F37T-I	T	Brown
F37J-A	J	Black	F37J-I	J	Black
F37N-A	N	Orange	F37N-I	N	Pink
F37RS-A	R/S	Green	F37RS-I	R/S	Orange
F37E-A	E	Purple	F37E-I	E	Purple
F37B-A	B	Grey	F37B-I	B	Grey
F37CU	Cu	White	F37CU	Cu	White

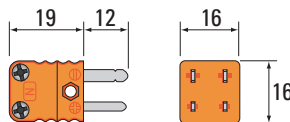
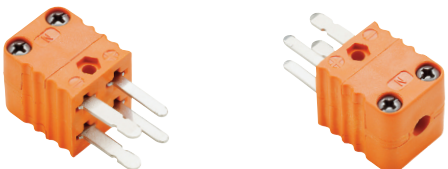
F16 Miniature Plug - Three Pin



Type CU illustrated (F16CU)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F16K-A	K	Yellow	F16K-I	K	Green
F16T-A	T	Blue	F16T-I	T	Brown
F16J-A	J	Black	F16J-I	J	Black
F16N-A	N	Orange	F16N-I	N	Pink
F16RS-A	R/S	Green	F16RS-I	R/S	Orange
F16E-A	E	Purple	F16E-I	E	Purple
F16B-A	B	Grey	F16B-I	B	Grey
F16CU	Cu	White	F16CU	Cu	White

F91 Miniature Plug - Duplex



Type N ANSI illustrated (F91N-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F91K-A	K	Yellow	F91K-I	K	Green
F91T-A	T	Blue	F91T-I	T	Brown
F91J-A	J	Black	F91J-I	J	Black
F91N-A	N	Orange	F91N-I	N	Pink
F91RS-A	R/S	Green	F91RS-I	R/S	Orange
F91E-A	E	Purple	F91E-I	E	Purple
F91B-A	B	Grey	F91B-I	B	Grey
F91CU	Cu	White	F91CU	Cu	White

All dimensions are in mm

Miniature Sockets rated to 220°C

F20 Miniature Socket



Type K ANSI illustrated (F20K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F20K-A	K	Yellow	F20K-I	K	Green
F20T-A	T	Blue	F20T-I	T	Brown
F20J-A	J	Black	F20J-I	J	Black
F20N-A	N	Orange	F20N-I	N	Pink
F20RS-A	R/S	Green	F20RS-I	R/S	Orange
F20E-A	E	Purple	F20E-I	E	Purple
F20B-A	B	Grey	F20B-I	B	Grey
F20CU	Cu	White	F20CU	Cu	White

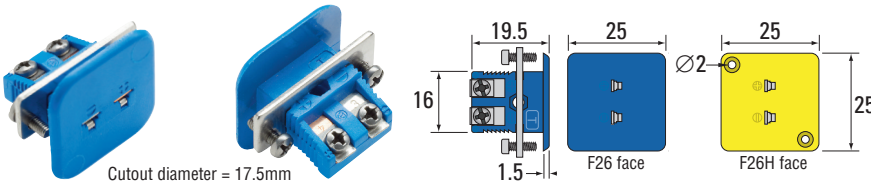
F24 Miniature Socket - Quick Wire



Type R/S ANSI illustrated (F24RS-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F24K-A	K	Yellow	F24K-I	K	Green
F24T-A	T	Blue	F24T-I	T	Brown
F24J-A	J	Black	F24J-I	J	Black
F24N-A	N	Orange	F24N-I	N	Pink
F24RS-A	R/S	Green	F24RS-I	R/S	Orange
F24E-A	E	Purple	F24E-I	E	Purple
F24B-A	B	Grey	F24B-I	B	Grey
F24CU	Cu	White	F24CU	Cu	White

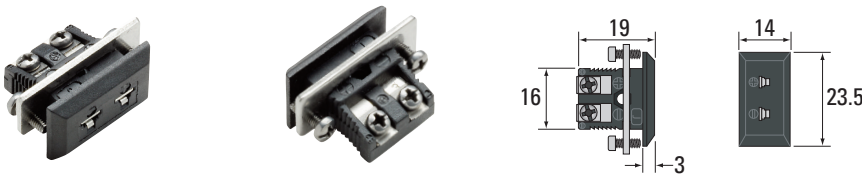
F26 Miniature Panel Socket - Square Flanged with Bracket



Type T ANSI illustrated (F26T-A). A version with two mounting holes is also available and is designated as part code F26H

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F26K-A	K	Yellow	F26K-I	K	Green
F26T-A	T	Blue	F26T-I	T	Brown
F26J-A	J	Black	F26J-I	J	Black
F26N-A	N	Orange	F26N-I	N	Pink
F26RS-A	R/S	Green	F26RS-I	R/S	Orange
F26E-A	E	Purple	F26E-I	E	Purple
F26B-A	B	Grey	F26B-I	B	Grey
F26CU	Cu	White	F26CU	Cu	White

F29 Miniature Panel Socket - Rectangle Flanged with Bracket



Type J ANSI illustrated (F29J-A). Recommended cutout: 8mm x 16.5mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F29K-A	K	Yellow	F29K-I	K	Green
F29T-A	T	Blue	F29T-I	T	Brown
F29J-A	J	Black	F29J-I	J	Black
F29N-A	N	Orange	F29N-I	N	Pink
F29RS-A	R/S	Green	F29RS-I	R/S	Orange
F29E-A	E	Purple	F29E-I	E	Purple
F29B-A	B	Grey	F29B-I	B	Grey
F29CU	Cu	White	F29CU	Cu	White

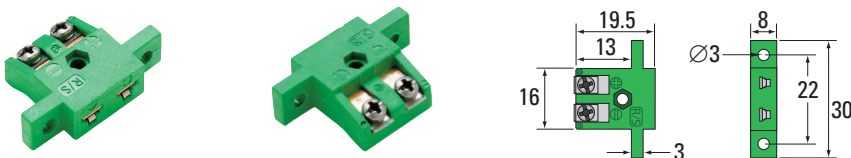
F29S Miniature Panel Socket - Rectangle Flanged with Spring Clip



Type N ANSI illustrated (F29SN-A). Recommended cutout: 8mm x 16.5mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F29SK-A	K	Yellow	F29SK-I	K	Green
F29ST-A	T	Blue	F29ST-I	T	Brown
F29SJ-A	J	Black	F29SJ-I	J	Black
F29SN-A	N	Orange	F29SN-I	N	Pink
F29SRS-A	R/S	Green	F29SRS-I	R/S	Orange
F29SE-A	E	Purple	F29SE-I	E	Purple
F29SB-A	B	Grey	F29SB-I	B	Grey
F29SCU	Cu	White	F29SCU	Cu	White

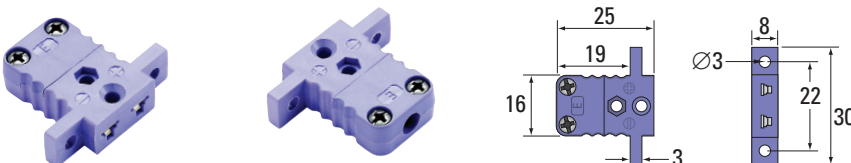
F27 Miniature Panel Socket - Lugged - Open Back



Type R/S ANSI illustrated (F27K-A). Recommended cutout: 8.5mm x 16.5mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F27K-A	K	Yellow	F27K-I	K	Green
F27T-A	T	Blue	F27T-I	T	Brown
F27J-A	J	Black	F27J-I	J	Black
F27N-A	N	Orange	F27N-I	N	Pink
F27RS-A	R/S	Green	F27RS-I	R/S	Orange
F27E-A	E	Purple	F27E-I	E	Purple
F27B-A	B	Grey	F27B-I	B	Grey
F27CU	Cu	White	F27CU	Cu	White

F30 Miniature Panel Socket - Lugged - Closed Back



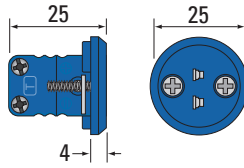
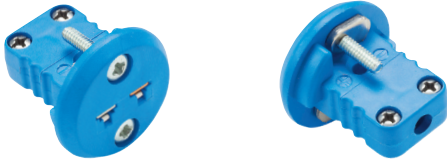
Type E ANSI illustrated (F30E-A). Recommended cutout: 8.5mm x 16.5mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F30K-A	K	Yellow	F30K-I	K	Green
F30T-A	T	Blue	F30T-I	T	Brown
F30J-A	J	Black	F30J-I	J	Black
F30N-A	N	Orange	F30N-I	N	Pink
F30RS-A	R/S	Green	F30RS-I	R/S	Orange
F30E-A	E	Purple	F30E-I	E	Purple
F30B-A	B	Grey	F30B-I	B	Grey
F30CU	Cu	White	F30CU	Cu	White

All dimensions are in mm

Miniature Sockets rated to 220°C

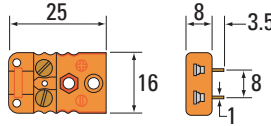
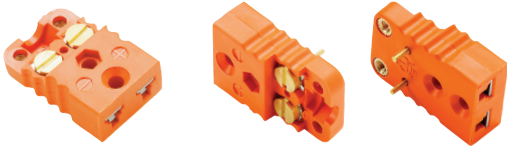
F32 Miniature Panel Socket - Round Flanged



Type T ANSI illustrated (F32R-A). Cutout diameter = 22.5mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F32K-A	K	Yellow	F32K-I	K	Green
F32T-A	T	Blue	F32T-I	T	Brown
F32J-A	J	Black	F32J-I	J	Black
F32N-A	N	Orange	F32N-I	N	Pink
F32RS-A	R/S	Green	F32RS-I	R/S	Orange
F32E-A	E	Purple	F32E-I	E	Purple
F32B-A	B	Grey	F32B-I	B	Grey
F32CU	Cu	White	F32CU	Cu	White

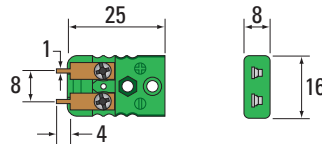
F21 Miniature Socket - PCB Bottom Mounting



Type N ANSI illustrated (F21N-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F21K-A	K	Yellow	F21K-I	K	Green
F21T-A	T	Blue	F21T-I	T	Brown
F21J-A	J	Black	F21J-I	J	Black
F21N-A	N	Orange	F21N-I	N	Pink
F21RS-A	R/S	Green	F21RS-I	R/S	Orange
F21E-A	E	Purple	F21E-I	E	Purple
F21B-A	B	Grey	F21B-I	B	Grey
F21CU	Cu	White	F21CU	Cu	White

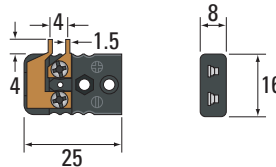
F23 Miniature Socket - PCB Rear Mounting



Type R/S ANSI illustrated (F23RS-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F23K-A	K	Yellow	F23K-I	K	Green
F23T-A	T	Blue	F23T-I	T	Brown
F23J-A	J	Black	F23J-I	J	Black
F23N-A	N	Orange	F23N-I	N	Pink
F23RS-A	R/S	Green	F23RS-I	R/S	Orange
F23E-A	E	Purple	F23E-I	E	Purple
F23B-A	B	Grey	F23B-I	B	Grey
F23CU	Cu	White	F23CU	Cu	White

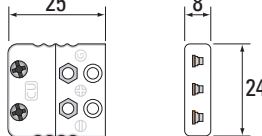
F38 Miniature Socket - PCB Side Mounting



Type J ANSI illustrated (F38J-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F38K-A	K	Yellow	F38K-I	K	Green
F38T-A	T	Blue	F38T-I	T	Brown
F38J-A	J	Black	F38J-I	J	Black
F38N-A	N	Orange	F38N-I	N	Pink
F38RS-A	R/S	Green	F38RS-I	R/S	Orange
F38E-A	E	Purple	F38E-I	E	Purple
F38B-A	B	Grey	F38B-I	B	Grey
F38CU	Cu	White	F38CU	Cu	White

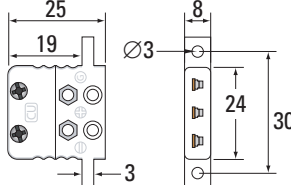
F25 Miniature Socket - Three Pin



Type CU illustrated (F25CU)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F25K-A	K	Yellow	F25K-I	K	Green
F25T-A	T	Blue	F25T-I	T	Brown
F25J-A	J	Black	F25J-I	J	Black
F25N-A	N	Orange	F25N-I	N	Pink
F25RS-A	R/S	Green	F25RS-I	R/S	Orange
F25E-A	E	Purple	F25E-I	E	Purple
F25B-A	B	Grey	F25B-I	B	Grey
F25CU	Cu	White	F25CU	Cu	White

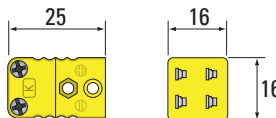
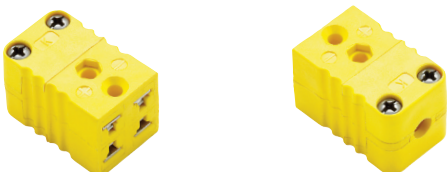
F31 Miniature Panel Socket - Lugged - Three Pin



Type CU illustrated (F31CU)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F31K-A	K	Yellow	F31K-I	K	Green
F31T-A	T	Blue	F31T-I	T	Brown
F31J-A	J	Black	F31J-I	J	Black
F31N-A	N	Orange	F31N-I	N	Pink
F31RS-A	R/S	Green	F31RS-I	R/S	Orange
F31E-A	E	Purple	F31E-I	E	Purple
F31B-A	B	Grey	F31B-I	B	Grey
F31CU	Cu	White	F31CU	Cu	White

F92 Miniature Socket - Duplex



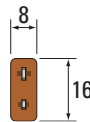
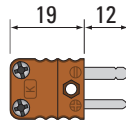
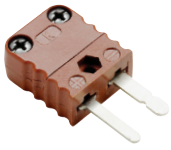
Type K ANSI illustrated (F92K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F92K-A	K	Yellow	F92K-I	K	Green
F92T-A	T	Blue	F92T-I	T	Brown
F92J-A	J	Black	F92J-I	J	Black
F92N-A	N	Orange	F92N-I	N	Pink
F92RS-A	R/S	Green	F92RS-I	R/S	Orange
F92E-A	E	Purple	F92E-I	E	Purple
F92B-A	B	Grey	F92B-I	B	Grey
F92CU	Cu	White	F92CU	Cu	White

All dimensions are in mm

High Temp Miniature Plugs rated to 350°C

F13 Miniature High Temperature Plug

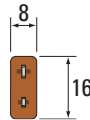
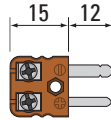


Type K illustrated (F13K)

Part No.	Type	Colour
F13K	K	●
F13T	T	●
F13J	J	●
F13N	N	●
F13RS	R/S	●
F13E	E	●
F13B	B	●
F13CU	Cu	●

F08 Miniature High Temperature Plug - Quick Wire

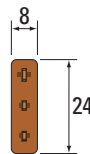
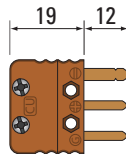
coming soon



Part No.	Type	Colour
F08K	K	●
F08T	T	●
F08J	J	●
F08N	N	●
F08RS	R/S	●
F08E	E	●
F08B	B	●
F08CU	Cu	●

F18 Miniature High Temperature Plug - Three Pin

coming soon

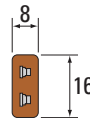
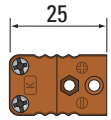


Part No.	Type	Colour
F18K	K	●
F18T	T	●
F18J	J	●
F18N	N	●
F18RS	R/S	●
F18E	E	●
F18B	B	●
F18CU	Cu	●

Note: All high temperature connectors are coloured brown. The thermocouple type is embossed on the body.

High Temp Miniature Sockets rated to 350°C

F22 Miniature High Temperature Socket

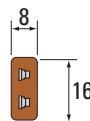
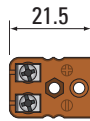


Type K illustrated (F22K)

Part No.	Type	Colour
F22K	K	●
F22T	T	●
F22J	J	●
F22N	N	●
F22RS	R/S	●
F22E	E	●
F22B	B	●
F22CU	Cu	●

F09 Miniature High Temperature Socket - Quick Wire

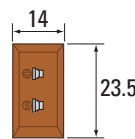
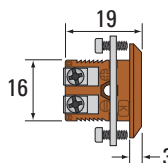
coming soon



Part No.	Type	Colour
F09K	K	●
F09T	T	●
F09J	J	●
F09N	N	●
F09RS	R/S	●
F09E	E	●
F09B	B	●
F09CU	Cu	●

F34 Miniature High Temperature Panel Socket - Rectangle Flanged

coming soon



Recommended cutout: 8mm x 16.5mm

Part No.	Type	Colour
F34K	K	●
F34T	T	●
F34J	J	●
F34N	N	●
F34RS	R/S	●
F34E	E	●
F34B	B	●
F34CU	Cu	●

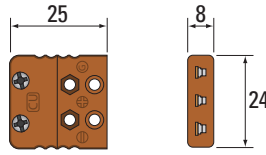
Note: All high temperature connectors are coloured brown. The thermocouple type is embossed on the body.

All dimensions are in mm

High Temp Miniature Sockets rated to 350°C

F33 Miniature High Temperature Socket - Three Pin

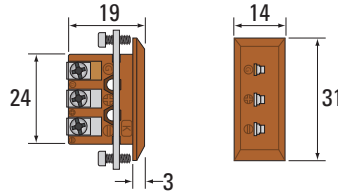
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Part No.	Type	Colour
F33K	K	●
F33T	T	●
F33J	J	●
F33N	N	●
F33RS	R/S	●
F33E	E	●
F33B	B	●
F33CU	Cu	●

F35 Mini High Temp Panel Socket - Three Pin Rectangle Flanged

coming soon



Part No.	Type	Colour
F35K	K	●
F35T	T	●
F35J	J	●
F35N	N	●
F35RS	R/S	●
F35E	E	●
F35B	B	●
F35CU	Cu	●

Recommended cutout: 8.5mm x 24.3mm

Note: All high temperature connectors are coloured brown. The thermocouple type is embossed on the body.

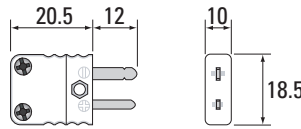
Miniature Ceramic Plugs rated to 650°C

F100 Miniature Ceramic Plug



Type K ANSI illustrated (F100K-A)

under-side shown to illustrate colour markings



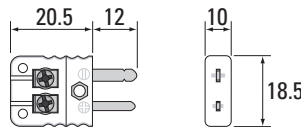
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F100K-A	K	●	F100K-I	K	●
F100T-A	T	●	F100T-I	T	●
F100J-A	J	●	F100J-I	J	●
F100N-A	N	●	F100N-I	N	●
F100RS-A	R/S	●	F100RS-I	R/S	●
F100E-A	E	●	F100E-I	E	●
F100B-A	B	●	F100B-I	B	●
F100CU	Cu	○	F100CU	Cu	○

F140 Miniature Ceramic Plug - Quick Wire



Type K ANSI illustrated (F140K-A)

under-side shown to illustrate colour markings



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F140K-A	K	●	F140K-I	K	●
F140T-A	T	●	F140T-I	T	●
F140J-A	J	●	F140J-I	J	●
F140N-A	N	●	F140N-I	N	●
F140RS-A	R/S	●	F140RS-I	R/S	●
F140E-A	E	●	F140E-I	E	●
F140B-A	B	●	F140B-I	B	●
F140CU	Cu	○	F140CU	Cu	○

Note: All ceramic connectors are coloured white. The thermocouple type is marked with a coloured dot on the body. For vacuum applications, connectors can be supplied without a coloured dot.

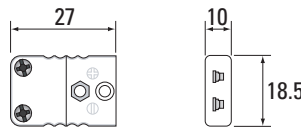
Miniature Ceramic Sockets rated to 650°C

F200 Miniature Ceramic Socket



Type K ANSI illustrated (F200K-A)

under-side shown to illustrate colour markings



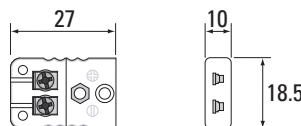
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F200K-A	K	●	F200K-I	K	●
F200T-A	T	●	F200T-I	T	●
F200J-A	J	●	F200J-I	J	●
F200N-A	N	●	F200N-I	N	●
F200RS-A	R/S	●	F200RS-I	R/S	●
F200E-A	E	●	F200E-I	E	●
F200B-A	B	●	F200B-I	B	●
F200CU	Cu	○	F200CU	Cu	○

F240 Miniature Ceramic Socket - Quick Wire



Type K ANSI illustrated (F240K-A)

under-side shown to illustrate colour markings



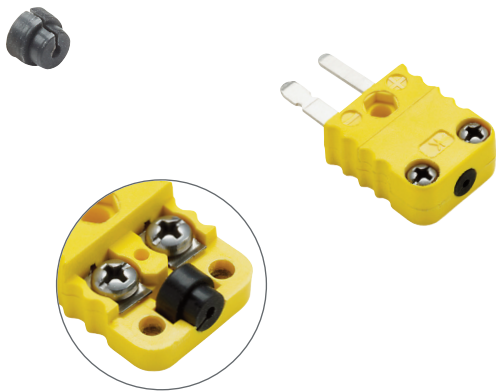
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
F240K-A	K	●	F240K-I	K	●
F240T-A	T	●	F240T-I	T	●
F240J-A	J	●	F240J-I	J	●
F240N-A	N	●	F240N-I	N	●
F240RS-A	R/S	●	F240RS-I	R/S	●
F240E-A	E	●	F240E-I	E	●
F240B-A	B	●	F240B-I	B	●
F240CU	Cu	○	F240CU	Cu	○

Note: All ceramic connectors are coloured white. The thermocouple type is marked with a coloured dot on the body. For vacuum applications, connectors can be supplied without a coloured dot.

All dimensions are in mm

Accessories for Miniature Connectors

Cable Grommet



Application

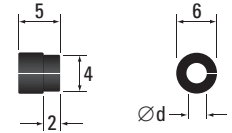
The cable grommet is fitted into the exit hole of the connector which prevents dirt or moisture entering the connector when used with wires or cable.

Construction

Silicone rubber ring with collar, slit for easy use. Compresses on the wire or cable when connector is fully assembled.

Temperature Rating

200°C.



Diameter 'd'	Part codes for use with connectors: <i>F11, F16, F20, F25, F30, F31, F32, F37, F91 and F92</i> <i>Can also be used with F13 and F22 but only in conditions below 200°C</i>
0.5mm	F4105
1.0mm	F4110
1.5mm	F4115
3.0mm	F4130

Cable and Wire Insert



Application

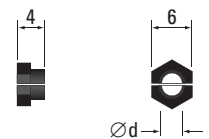
Fitted inside the connector, the insert allows the user to hold wires and cables in place, providing a strong grip without the insert protruding outside of the connector.

Construction

Thermoplastic for either round or oval cables.

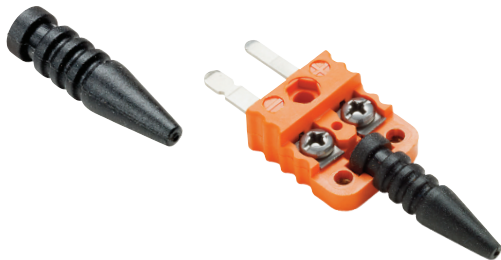
Temperature Rating

160°C.



Approximate wire diameter 'd'	Round or Oval	Part codes for use with connectors: <i>F11, F13, F16, F20, F22, F25, F30, F31, F32, F37, F91 and F92</i> in applications up to 160°C
1.5mm	Round	F5015
3.5mm	Round	F5035
2.0 x 1.5mm	Oval	F502015

Cable Bending Protection



Application

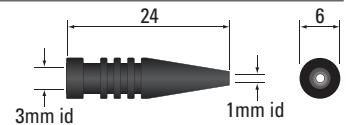
Provides bending protection for small wires and cables when used with miniature connectors. Reduces potential mechanical damage to the cable. The conical end can be cut back to suit the cable.

Construction

Silicone Rubber.

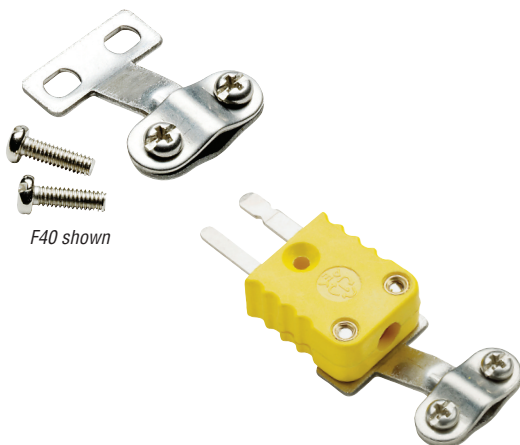
Temperature Rating

200°C.



Part code for use with connectors: <i>F11, F16, F20, F25, F30, F31, F32, F37, F91 and F92</i> <i>Can also be used with F13 and F22 but only in conditions below 200°C</i>
F43

Cable Clamp



Application

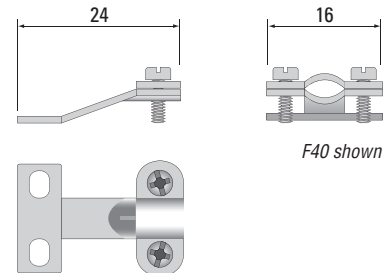
Allows the user to clamp wires and cables in place.

Construction

Stainless steel including stainless steel screws.

Temperature Rating

800°C (only limited by the temperature rating of the cable or connector it is attached to).

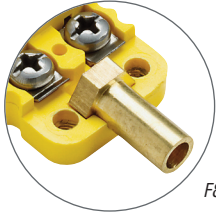
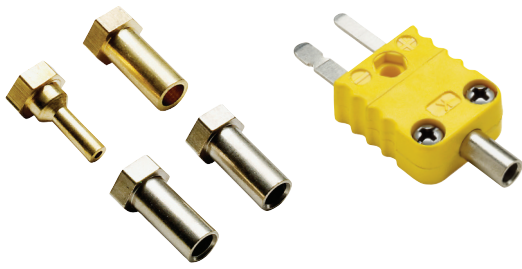


Part code for use with most 220°C and 350°C rated mini connectors <i>(F11, F13, F16, F20, F22, F25, F30, F31, F32 and F37)</i>	Part code for use with duplex 220°C rated mini connectors <i>(F91 and F92)</i>	Part code for use with 650°C rated ceramic connectors <i>(F100 and F200)</i>
F40	F46	F45

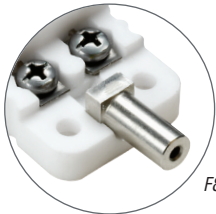
All dimensions are in mm

Accessories for Miniature Connectors

Internal Crimp/Braze Adaptor



F8930B shown in plastic connector



F8715 shown in ceramic connector

Application

This adaptor can be crimped onto a mineral insulated cable or metal tube so it may then be attached to a miniature connector. A crimp tool is available - see page 30.

Stainless steel adaptors may also be brazed. Brass adaptors can also be used to crimp some soft materials such as PVC or PFA wires and cables.

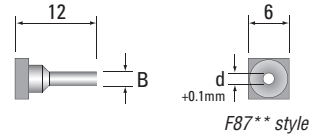
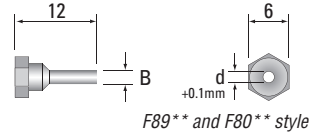
Construction

For 220°C and 350°C range connectors: Nickel Plated Brass, Brass or Stainless Steel.

For Ceramic connectors: Stainless Steel only.

Notes

Bore diameters listed are supplied at 'd' +0.1mm.



to suit tube diameter 'd'	Crimp diameter 'B'	Part codes for use with 220°C and 350°C rated connectors: F11, F13, F16, F20, F22, F25, F30, F31, F32, F37, F91 and F92			Part codes for use with 650°C rated connectors: F100 and F200
		Nickel Plated Brass	Plain Brass	Stainless Steel*	Stainless Steel*
0.5mm	2.4mm	F8905	F8905B	F8005	F8705
0.8mm (1/32")	2.4mm	F8908	-	-	-
1.0mm	2.4mm	F8910	F8910B	F8010	F8710
1.5mm	2.4mm	F8915	F8915B	F8015	F8715
1.6mm (1/16")	2.4mm	F8916	F8916B	F8016	F8716
1.8mm	3.2mm	F8918	-	-	-
2.0mm	3.2mm	F8920	F8920B	F8020	F8720
2.3mm	3.2mm	F8923	-	-	-
2.6mm	4.4mm	F8926	-	-	-
2.7mm	4.4mm	F8927	-	-	-
3.0mm	4.4mm	F8930	F8930B	F8030	F8730
3.2mm (1/8")	4.4mm	F8932	F8932B	F8032	F8732
3.4mm	4.4mm	F8934	-	-	-

* Stainless Steel versions are recommended for users wishing to braze a tube to an adaptor, although they can be crimped in place with a suitable crimp tool - see page 30

Internal Compression Tube Adaptor



Application

This adaptor compresses onto a mineral insulated cable or metal tube so it may then be attached to a miniature connector.

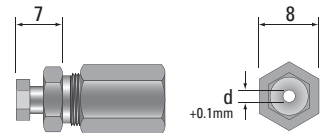
For use with 220°C and 350°C versions. Not suitable for Ceramic connectors.

Construction

All Stainless Steel parts.

Notes

Bore diameters listed are supplied at 'd' +0.1mm.

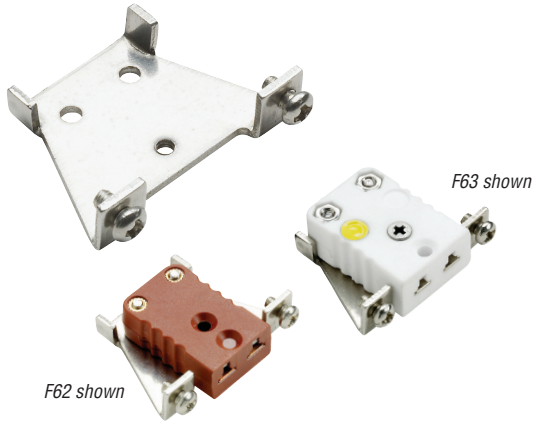


To suit tube diameter 'd'	Part codes for use with 220°C and 350°C rated connectors: F11, F13, F16, F20, F22, F25, F30, F31, F32, F37, F91 and F92
1.0mm	F7110
1.5mm	F7115
1.6mm (1/16")	F7116
3.0mm	F7130
3.2mm (1/8")	F7132

All dimensions are in mm

Accessories for Miniature Connectors

Panel Bracket Adaptor

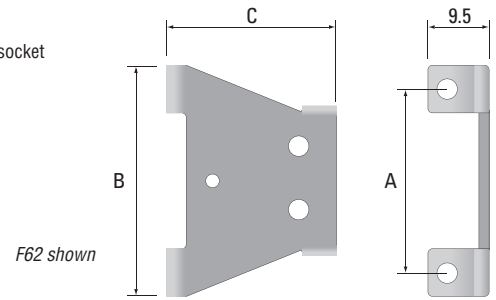


Application

This adaptor allows the user to use a normal socket and adapt it to fit into panels.

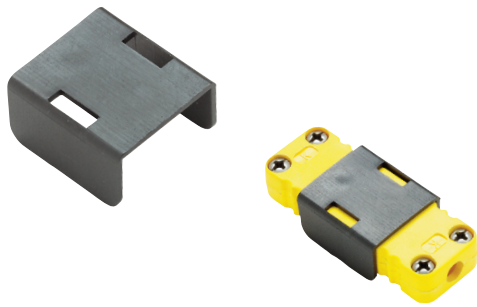
Construction

Stainless Steel bracket and screws.



Part code for use with connectors: F20 and F22 (A=22mm, B=27mm and C=23mm)	Part code for use with ceramic connector F200 only (A=28mm, B=34mm and C=25mm)
F62	F63

Plastic Locking Clip



Application

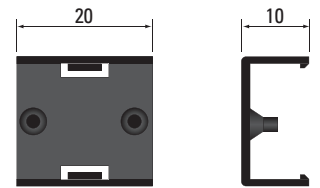
For extra protection to prevent accidental disconnection of a miniature plug and socket. Can be easily placed over a closed pair of connectors by hand (does not require special tools).

Construction

Thermoplastic.

Temperature Rating

220°C.



Part code for use with connectors: F11 and F20
F69

Protection Boots



F68 shown with connector in position

Application

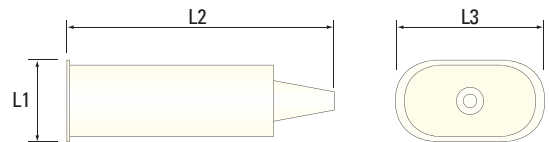
When using two of these protection boots, the user can prevent moisture or dirt from entering a connected pair of connectors. One boot is required per connector.

Construction

Silicone Rubber.

Temperature Rating

170°C.



Part code for use with two pin connectors: F11 and F20 (L1=12mm, L2=39mm and L3=22mm)	Part code for use with three pin connectors: F16 and F25 (L1=12mm, L2=39mm and L3=30mm)
F68	F67

Panel Punch



Assembled

Application


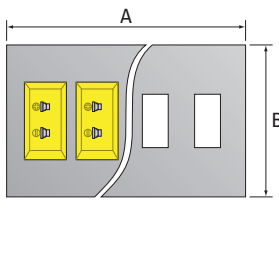
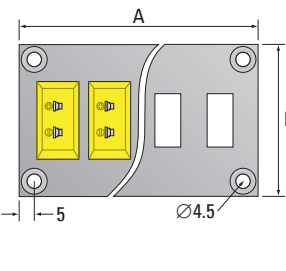
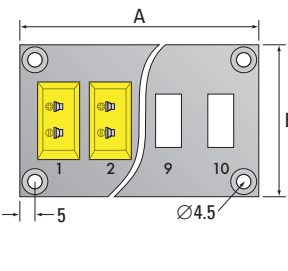
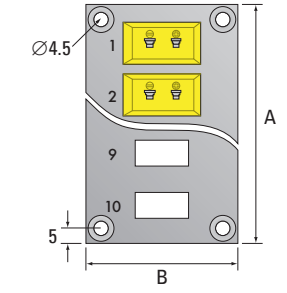
This simple device can be used to punch a hole in aluminium, mild steel and some plastics up to 3.5mm thick in order to mount F26, F26H and F32 connectors.

Part code for use with connectors: F26 and F26H - 17.5mm diameter cutout	Part code for use with connector F32 only - 22.5mm diameter cutout
F98	F99

All dimensions are in mm

Miniature Connector Panels

Anodised Aluminium and Stainless Steel Panels - For use with Flanged 2 Pin Mini Connectors

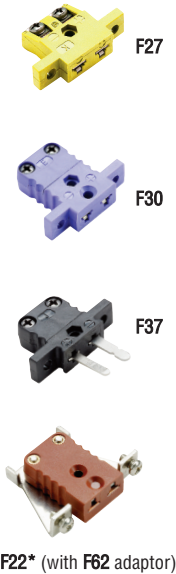
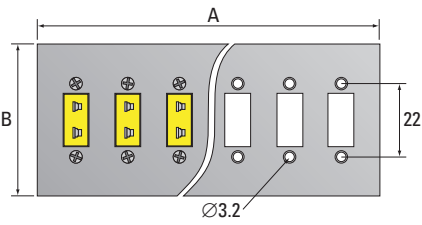
For use with connectors F29 , F29S and F34		FFP / FSP Panel without panel mounting holes		FFS / FSS Panel with panel mounting holes		FFH Horizontal, numbered panel with panel mounting holes	FFV Vertical, numbered panel with panel mounting holes
							
No. of Channels	Dimensions A x B in mm	FFP Aluminium Panel	FSP Stainless Steel Panel	FFS Aluminium Panel	FSS Stainless Steel Panel	FFH Aluminium Panel	FFV Aluminium Panel
1	23.5 x 47	FFP01	FSP01	FFS01	FSS01	FFH01	FFV01
2	40 x 47	FFP02	FSP02	FFS02	FSS02	FFH02	FFV02
4	72 x 47	FFP04	FSP04	FFS04	FSS04	FFH04	FFV04
6	104 x 47	FFP06	FSP06	FFS06	FSS06	FFH06	FFV06
8	136 x 47	FFP08	FSP08	FFS08	FSS08	FFH08	FFV08
10	168 x 47	FFP10	FSP10	FFS10	FSS10	FFH10	FFV10
12	200 x 47	FFP12	FSP12	FFS12	FSS12	FFH12	FFV12
16	136 x 78	FFP16	–	FFS16	–	FFH16	FFV16
20	168 x 78	FFP20	–	FFS20	–	FFH20	FFV20
24	200 x 78	FFP24	–	FFS24	–	FFH24	FFV24

These panels are suitable for use with the following connectors, which should be ordered separately:

F29 - Mini Flanged Panel Socket with Bracket, **F29S** - Mini Flanged Panel Socket with Spring Clip, **F34** - Mini High Temp Flanged Panel Socket with Bracket*

*Note: Aluminium Panels are rated to 250°C which is lower than the rating of the connectors marked with an asterisk (F34).

Anodised Aluminium and Stainless Steel Panels - For use with Lugged 2 Pin Mini Connectors

For use with connectors F27 , F30 , F37 and F22		FCP / FSC Panel without panel mounting holes			
					
No. of Channels	Dimensions A x B in mm	FCP Aluminium Panel	FSC Stainless Steel Panel		
1	23.5 x 47	FCP01	FSC01		
2	40 x 47	FCP02	FSC02		
4	72 x 47	FCP04	FSC04		
6	104 x 47	FCP06	FSC06		
8	136 x 47	FCP08	FSC08		
10	168 x 47	FCP10	FSC10		
12	200 x 47	FCP12	FSC12		

These panels are suitable for use with the following connectors, which should be ordered separately:

F27 - Mini Lugged Open Back Panel Socket, **F30** - Mini Lugged Closed Back Panel Socket,


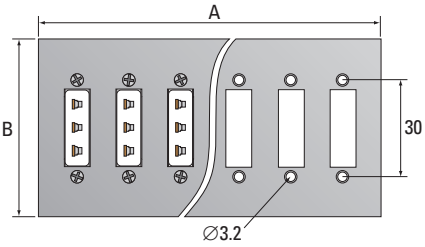
F37 - Mini Lugged Closed Back Panel Plug and **F22** - Mini High Temp Socket with **F62** Adaptor*

*Note: Aluminium Panels are rated to 250°C which is lower than the rating of the connectors marked with an asterisk (F22).

All dimensions are in mm


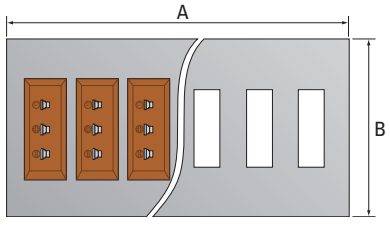
Miniature Connector Panels

Anodised Aluminium and Stainless Steel Panels - For use with 3 Pin Mini Panel Connectors

For use with connector F31		FCT / FST Panel without panel mounting holes	
 F31			
No. of Channels	Dimensions A x B in mm	FCT Aluminium Panel	FST Stainless Steel Panel
2	39 x 55	FCT02	FST02
4	71 x 55	FCT04	FST04
6	103 x 55	FCT06	FST06
12	199 x 55	FCT12	FST12

These panels are suitable for use with the following connectors, which should be ordered separately:

F31 - Mini Three Pin Lugged Panel Socket


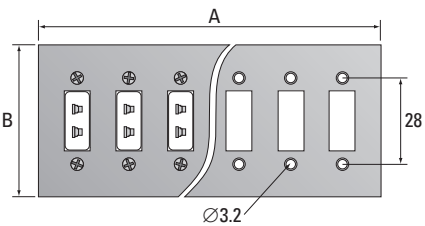
For use with connector F35		FFT / FSF Panel without panel mounting holes	
 F35* (coming soon)			
No. of Channels	Dimensions A x B in mm	FFT Aluminium Panel	FSF Stainless Steel Panel
2	39 x 55	FFT02	FSF02
4	71 x 55	FFT04	FSF04
6	103 x 55	FFT06	FSF06
12	199 x 55	FFT12	FSF12

These panels are suitable for use with the following connectors, which should be ordered separately:

F35 - Mini High Temp Three Pin Flanged Panel Socket*

*Note: Aluminium Panels are rated to 250°C which is lower than the rating of the connectors marked with an asterisk (F35).

Stainless Steel Panels - For use with Mini Ceramic Connectors

For use with connector F200		FCC Panel without panel mounting holes
 F200 (with F63 adaptor)		
No. of Channels	Dimensions A x B in mm	FCC Stainless Steel Panel
2	40 x 47	FCC02
4	72 x 47	FCC04
6	104 x 47	FCC06
12	200 x 47	FCC12

These panels are suitable for use with the following connectors, which should be ordered separately: **F200** - Mini Ceramic Socket with **F63** adaptor

Standard Thermocouple & RTD Connectors - Features

Thermocouple & RTD Identification

- 220°C version - Body colour coded and thermocouple type indicated on body
- 350°C version - Thermocouple type indicated on body
- 650°C version - Colour dot on body

Easy wiring
via lipped washer

Choice of body types:

- Thermoplastic rated to 220°C
- Thermosetting plastic rated to 350°C
- Ceramic rated to 650°C

Single Captive Screw
for quick assembly

Accepts Stranded or Solid wires
from 0.2mm to 1.29mm diameter (0.03mm² to 1.3mm²)
With washer removed: up to 1.63mm diameter (2.1mm²)

Manufactured in accordance with standard EN 50212

High Purity Thermocouple Alloys
Used for male pin and female socket connections

Choice of Solid or Hollow Pins

Polarised Round Pins
with mechanism to prevent accidental output

Colours available: ANSI, IEC, DIN or JIS

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
ANSI/MC96.1							

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
IEC 60584.3							

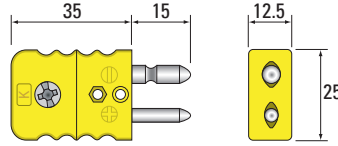
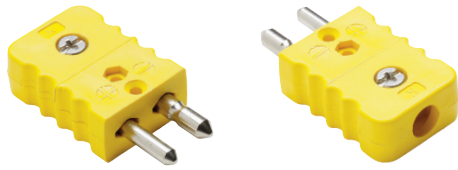
Calibration Type	K	T	U	J	L	R/S	E
Conductors	NiCr/ NiAl	Cu/ Con	Cu/ Con	Fe/ Con	Fe/ Con	Cu/ Alloy 11	NiCr/ Con
DIN 43714							

Calibration Type	K	T	J	N	R/S	E	Cu*
Conductors	NiCr/ NiAl	Cu/ Con	Fe/ Con	NiCrSi/ NiSi	Cu/ Alloy 11	NiCr/ Con	Cu
JIS C 1610							

* Not an internationally recognised standard

Standard Plugs rated to 220°C

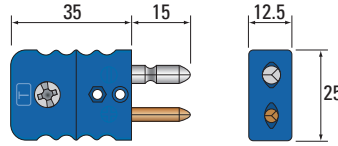
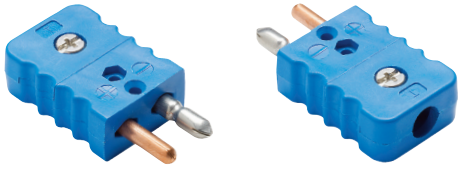
R11 Standard Solid Pin Plug



Type K ANSI illustrated (R11K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R11K-A	K	Yellow	R11K-I	K	Green
R11T-A	T	Blue	R11T-I	T	Brown
R11J-A	J	Black	R11J-I	J	Black
R11N-A	N	Orange	R11N-I	N	Pink
R11RS-A	R/S	Green	R11RS-I	R/S	Orange
R11E-A	E	Purple	R11E-I	E	Purple
R11B-A	B	Grey	R11B-I	B	Grey
R11CU	Cu	White	R11CU	Cu	White

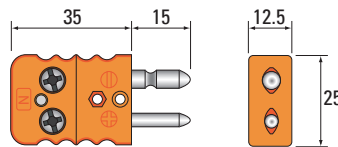
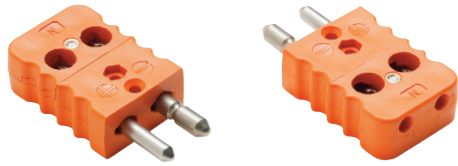
R10 Standard Hollow Pin Plug



Type T ANSI illustrated (R10T-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R10K-A	K	Yellow	R10K-I	K	Green
R10T-A	T	Blue	R10T-I	T	Brown
R10J-A	J	Black	R10J-I	J	Black
R10N-A	N	Orange	R10N-I	N	Pink
R10RS-A	R/S	Green	R10RS-I	R/S	Orange
R10E-A	E	Purple	R10E-I	E	Purple
R10B-A	B	Grey	R10B-I	B	Grey
R10CU	Cu	White	R10CU	Cu	White

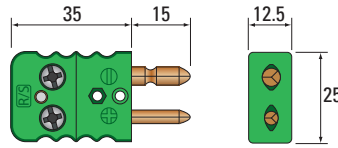
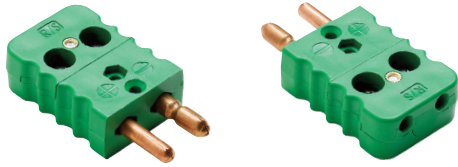
R14 Standard Solid Pin Plug - Quick Wire



Type N ANSI illustrated (R14N-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R14K-A	K	Yellow	R14K-I	K	Green
R14T-A	T	Blue	R14T-I	T	Brown
R14J-A	J	Black	R14J-I	J	Black
R14N-A	N	Orange	R14N-I	N	Pink
R14RS-A	R/S	Green	R14RS-I	R/S	Orange
R14E-A	E	Purple	R14E-I	E	Purple
R14B-A	B	Grey	R14B-I	B	Grey
R14CU	Cu	White	R14CU	Cu	White

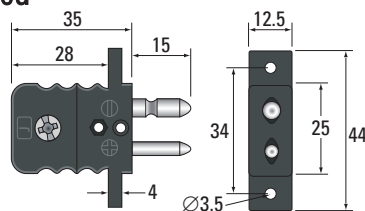
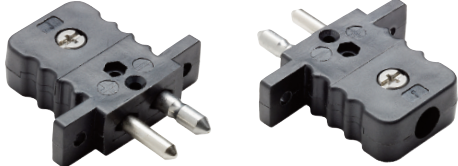
R15 Standard Hollow Pin Plug - Quick Wire



Type R/S ANSI illustrated (R15RS-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R15K-A	K	Yellow	R15K-I	K	Green
R15T-A	T	Blue	R15T-I	T	Brown
R15J-A	J	Black	R15J-I	J	Black
R15N-A	N	Orange	R15N-I	N	Pink
R15RS-A	R/S	Green	R15RS-I	R/S	Orange
R15E-A	E	Purple	R15E-I	E	Purple
R15B-A	B	Grey	R15B-I	B	Grey
R15CU	Cu	White	R15CU	Cu	White

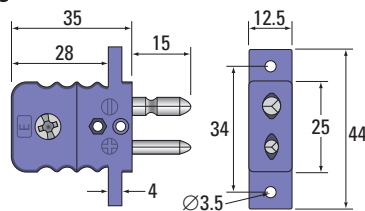
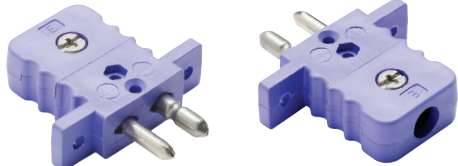
R37 Standard Solid Pin Panel Plug - Lugged



Type J ANSI illustrated (R37J-A). Recommended cutout: 13mm x 26mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R37K-A	K	Yellow	R37K-I	K	Green
R37T-A	T	Blue	R37T-I	T	Brown
R37J-A	J	Black	R37J-I	J	Black
R37N-A	N	Orange	R37N-I	N	Pink
R37RS-A	R/S	Green	R37RS-I	R/S	Orange
R37E-A	E	Purple	R37E-I	E	Purple
R37B-A	B	Grey	R37B-I	B	Grey
R37CU	Cu	White	R37CU	Cu	White

R36 Standard Hollow Pin Panel Plug - Lugged

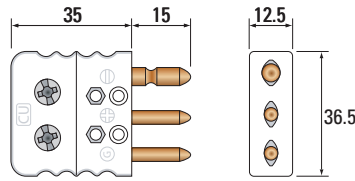
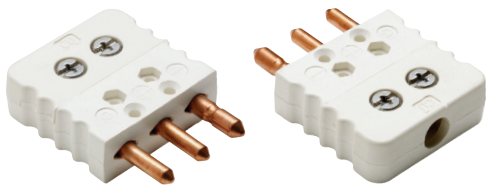


Type E ANSI illustrated (R36E-A). Recommended cutout: 13mm x 26mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R36K-A	K	Yellow	R36K-I	K	Green
R36T-A	T	Blue	R36T-I	T	Brown
R36J-A	J	Black	R36J-I	J	Black
R36N-A	N	Orange	R36N-I	N	Pink
R36RS-A	R/S	Green	R36RS-I	R/S	Orange
R36E-A	E	Purple	R36E-I	E	Purple
R36B-A	B	Grey	R36B-I	B	Grey
R36CU	Cu	White	R36CU	Cu	White

Standard Plugs rated to 220°C

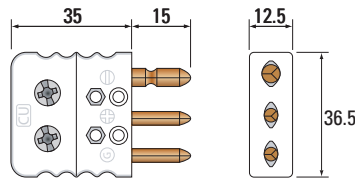
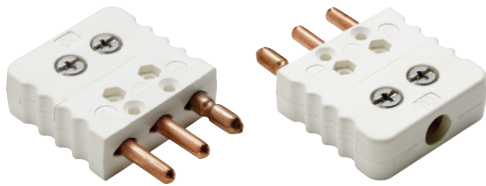
R16 Standard Solid Pin Plug - Three Pin



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R16K-A	K	Yellow	R16K-A	K	Green
R16T-A	T	Blue	R16T-A	T	Brown
R16J-A	J	Black	R16J-A	J	Black
R16N-A	N	Orange	R16N-A	N	Pink
R16RS-A	R/S	Green	R16RS-A	R/S	Orange
R16E-A	E	Purple	R16E-A	E	Purple
R16B-A	B	Grey	R16B-A	B	Grey
R16CU	Cu	White	R16CU	Cu	White

Type CU illustrated (R16CU)

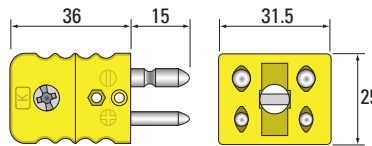
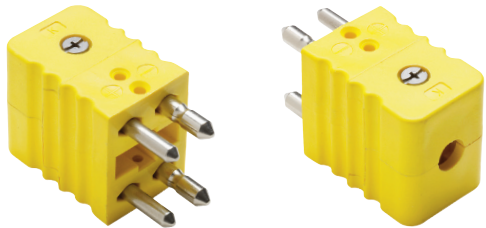
R17 Standard Hollow Pin Plug - Three Pin



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R17K-A	K	Yellow	R17K-A	K	Green
R17T-A	T	Blue	R17T-A	T	Brown
R17J-A	J	Black	R17J-A	J	Black
R17N-A	N	Orange	R17N-A	N	Pink
R17RS-A	R/S	Green	R17RS-A	R/S	Orange
R17E-A	E	Purple	R17E-A	E	Purple
R17B-A	B	Grey	R17B-A	B	Grey
R17CU	Cu	White	R17CU	Cu	White

Type CU illustrated (R17CU)

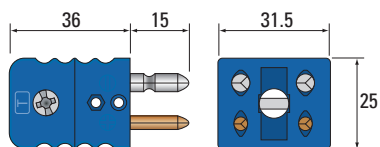
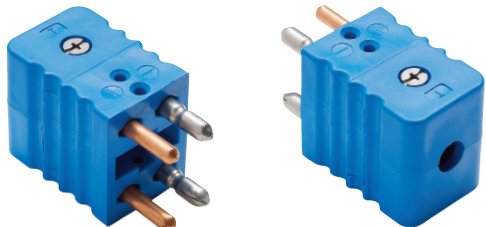
R91 Standard Solid Pin Plug - Duplex



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R91K-A	K	Yellow	R91K-A	K	Green
R91T-A	T	Blue	R91T-A	T	Brown
R91J-A	J	Black	R91J-A	J	Black
R91N-A	N	Orange	R91N-A	N	Pink
R91RS-A	R/S	Green	R91RS-A	R/S	Orange
R91E-A	E	Purple	R91E-A	E	Purple
R91B-A	B	Grey	R91B-A	B	Grey
R91CU	Cu	White	R91CU	Cu	White

Type K ANSI illustrated (R91K-A)

R90 Standard Hollow Pin Plug - Duplex



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R90K-A	K	Yellow	R90K-A	K	Green
R90T-A	T	Blue	R90T-A	T	Brown
R90J-A	J	Black	R90J-A	J	Black
R90N-A	N	Orange	R90N-A	N	Pink
R90RS-A	R/S	Green	R90RS-A	R/S	Orange
R90E-A	E	Purple	R90E-A	E	Purple
R90B-A	B	Grey	R90B-A	B	Grey
R90CU	Cu	White	R90CU	Cu	White

Type T ANSI illustrated (R90T-A)

All dimensions are in mm

Standard Sockets rated to 220°C

R20 Standard Socket



Type K ANSI illustrated (R20K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R20K-A	K	Yellow	R20K-I	K	Green
R20T-A	T	Blue	R20T-I	T	Brown
R20J-A	J	Black	R20J-I	J	Black
R20N-A	N	Orange	R20N-I	N	Pink
R20RS-A	R/S	Green	R20RS-I	R/S	Orange
R20E-A	E	Purple	R20E-I	E	Purple
R20B-A	B	Grey	R20B-I	B	Grey
R20CU	Cu	White	R20CU	Cu	White

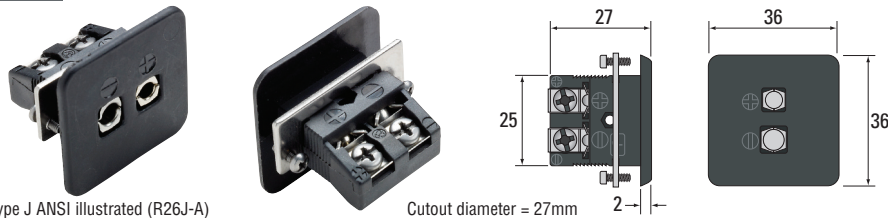
R24 Standard Socket - Quick Wire



Type R/S ANSI illustrated (R24RS-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R24K-A	K	Yellow	R24K-I	K	Green
R24T-A	T	Blue	R24T-I	T	Brown
R24J-A	J	Black	R24J-I	J	Black
R24N-A	N	Orange	R24N-I	N	Pink
R24RS-A	R/S	Green	R24RS-I	R/S	Orange
R24E-A	E	Purple	R24E-I	E	Purple
R24B-A	B	Grey	R24B-I	B	Grey
R24CU	Cu	White	R24CU	Cu	White

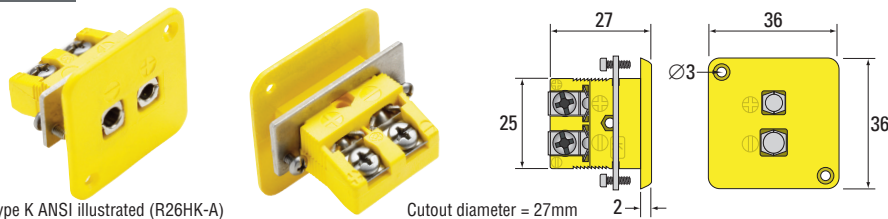
R26 Standard Panel Socket - Square Flanged with Bracket



Type J ANSI illustrated (R26J-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R26K-A	K	Yellow	R26K-I	K	Green
R26T-A	T	Blue	R26T-I	T	Brown
R26J-A	J	Black	R26J-I	J	Black
R26N-A	N	Orange	R26N-I	N	Pink
R26RS-A	R/S	Green	R26RS-I	R/S	Orange
R26E-A	E	Purple	R26E-I	E	Purple
R26B-A	B	Grey	R26B-I	B	Grey
R26CU	Cu	White	R26CU	Cu	White

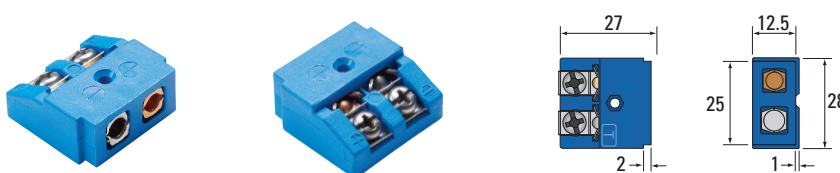
R26H Standard Panel Socket - Square Flanged with Holes & Bracket



Type K ANSI illustrated (R26HK-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R26HK-A	K	Yellow	R26HK-I	K	Green
R26HT-A	T	Blue	R26HT-I	T	Brown
R26HJ-A	J	Black	R26HJ-I	J	Black
R26HN-A	N	Orange	R26HN-I	N	Pink
R26HRS-A	R/S	Green	R26HRS-I	R/S	Orange
R26HE-A	E	Purple	R26HE-I	E	Purple
R26HB-A	B	Grey	R26HB-I	B	Grey
R26HCU	Cu	White	R26HCU	Cu	White

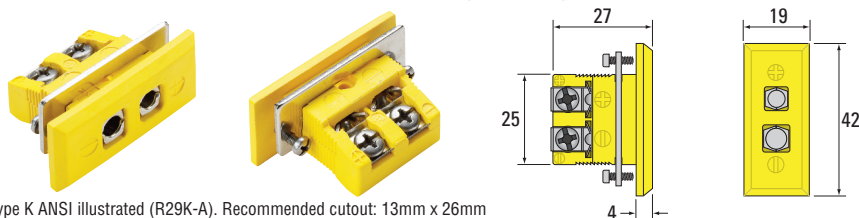
R28 Standard Panel Socket - for use with Mounting Kit



Type T ANSI illustrated (R28T-A) - see page 32 for mounting kit. Recommended cutout: 13mm x 25.8mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R28K-A	K	Yellow	R28K-I	K	Green
R28T-A	T	Blue	R28T-I	T	Brown
R28J-A	J	Black	R28J-I	J	Black
R28N-A	N	Orange	R28N-I	N	Pink
R28RS-A	R/S	Green	R28RS-I	R/S	Orange
R28E-A	E	Purple	R28E-I	E	Purple
R28B-A	B	Grey	R28B-I	B	Grey
R28CU	Cu	White	R28CU	Cu	White

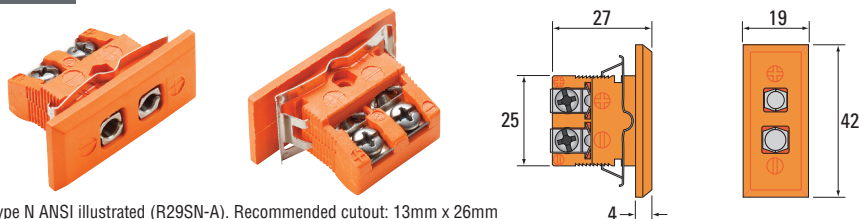
R29 Standard Panel Socket - Rectangle Flanged with Bracket



Type K ANSI illustrated (R29K-A). Recommended cutout: 13mm x 26mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R29K-A	K	Yellow	R29K-I	K	Green
R29T-A	T	Blue	R29T-I	T	Brown
R29J-A	J	Black	R29J-I	J	Black
R29N-A	N	Orange	R29N-I	N	Pink
R29RS-A	R/S	Green	R29RS-I	R/S	Orange
R29E-A	E	Purple	R29E-I	E	Purple
R29B-A	B	Grey	R29B-I	B	Grey
R29CU	Cu	White	R29CU	Cu	White

R29S Standard Panel Socket - Rectangle Flanged with Spring Clip



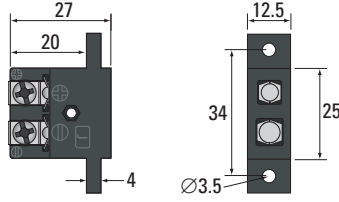
Type N ANSI illustrated (R29SN-A). Recommended cutout: 13mm x 26mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R29SK-A	K	Yellow	R29SK-I	K	Green
R29ST-A	T	Blue	R29ST-I	T	Brown
R29SJ-A	J	Black	R29SJ-I	J	Black
R29SN-A	N	Orange	R29SN-I	N	Pink
R29SRS-A	R/S	Green	R29SRS-I	R/S	Orange
R29SE-A	E	Purple	R29SE-I	E	Purple
R29SB-A	B	Grey	R29SB-I	B	Grey
R29SCU	Cu	White	R29SCU	Cu	White

All dimensions are in mm

Standard Sockets rated to 220°C

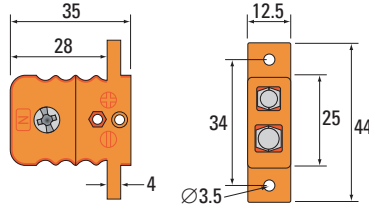
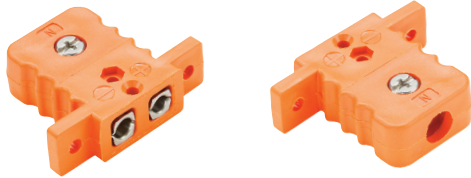
R27 Standard Panel Socket - Lugged - Open Back



Type J ANSI illustrated (R27J-A). Recommended cutout: 13mm x 26mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R27K-A	K	Yellow	R27K-I	K	Green
R27T-A	T	Blue	R27T-I	T	Brown
R27J-A	J	Black	R27J-I	J	Black
R27N-A	N	Orange	R27N-I	N	Pink
R27RS-A	R/S	Green	R27RS-I	R/S	Orange
R27E-A	E	Purple	R27E-I	E	Purple
R27B-A	B	Grey	R27B-I	B	Grey
R27CU	Cu	White	R27CU	Cu	White

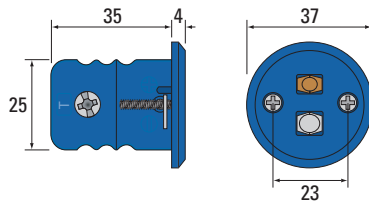
R30 Standard Panel Socket - Lugged - Closed Back



Type N ANSI illustrated (R30N-A). Recommended cutout: 13mm x 26mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R30K-A	K	Yellow	R30K-I	K	Green
R30T-A	T	Blue	R30T-I	T	Brown
R30J-A	J	Black	R30J-I	J	Black
R30N-A	N	Orange	R30N-I	N	Pink
R30RS-A	R/S	Green	R30RS-I	R/S	Orange
R30E-A	E	Purple	R30E-I	E	Purple
R30B-A	B	Grey	R30B-I	B	Grey
R30CU	Cu	White	R30CU	Cu	White

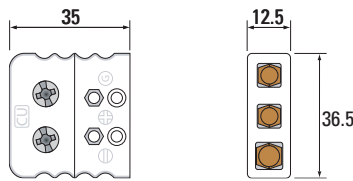
R32 Standard Panel Socket - Round Flanged



Type T ANSI illustrated (R32T-A). Cutout diameter = 28.3mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R32K-A	K	Yellow	R32K-I	K	Green
R32T-A	T	Blue	R32T-I	T	Brown
R32J-A	J	Black	R32J-I	J	Black
R32N-A	N	Orange	R32N-I	N	Pink
R32RS-A	R/S	Green	R32RS-I	R/S	Orange
R32E-A	E	Purple	R32E-I	E	Purple
R32B-A	B	Grey	R32B-I	B	Grey
R32CU	Cu	White	R32CU	Cu	White

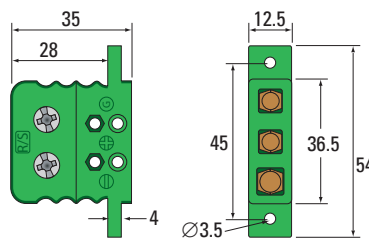
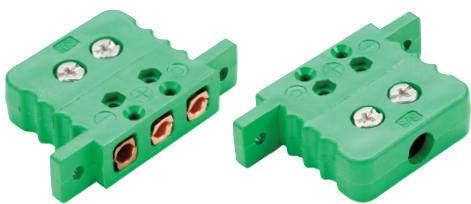
R25 Standard Socket - Three Pin



Type CU illustrated (R25CU)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R25K-A	K	Yellow	R25K-I	K	Green
R25T-A	T	Blue	R25T-I	T	Brown
R25J-A	J	Black	R25J-I	J	Black
R25N-A	N	Orange	R25N-I	N	Pink
R25RS-A	R/S	Green	R25RS-I	R/S	Orange
R25E-A	E	Purple	R25E-I	E	Purple
R25B-A	B	Grey	R25B-I	B	Grey
R25CU	Cu	White	R25CU	Cu	White

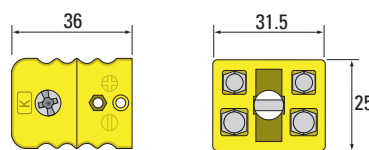
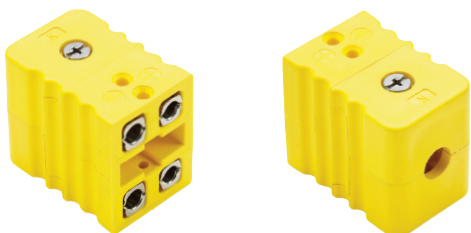
R31 Standard Panel Socket - Lugged - Three Pin



Type R/S ANSI illustrated (R31RS-A). Recommended cutout: 13.5mm x 37mm

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R31K-A	K	Yellow	R31K-I	K	Green
R31T-A	T	Blue	R31T-I	T	Brown
R31J-A	J	Black	R31J-I	J	Black
R31N-A	N	Orange	R31N-I	N	Pink
R31RS-A	R/S	Green	R31RS-I	R/S	Orange
R31E-A	E	Purple	R31E-I	E	Purple
R31B-A	B	Grey	R31B-I	B	Grey
R31CU	Cu	White	R31CU	Cu	White

R92 Standard Socket - Duplex



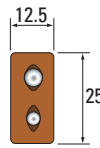
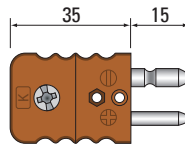
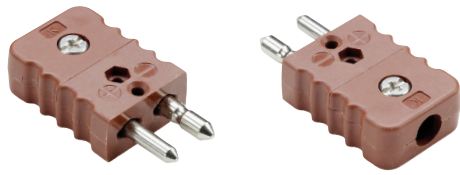
Type K ANSI illustrated (R92K-A)

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R92K-A	K	Yellow	R92K-I	K	Green
R92T-A	T	Blue	R92T-I	T	Brown
R92J-A	J	Black	R92J-I	J	Black
R92N-A	N	Orange	R92N-I	N	Pink
R92RS-A	R/S	Green	R92RS-I	R/S	Orange
R92E-A	E	Purple	R92E-I	E	Purple
R92B-A	B	Grey	R92B-I	B	Grey
R92CU	Cu	White	R92CU	Cu	White

All dimensions are in mm

High Temp Standard Plugs rated to 350°C

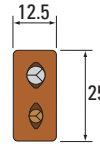
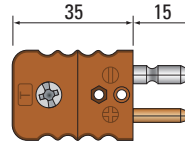
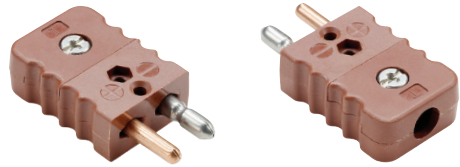
R13 Standard High Temperature Solid Pin Plug



Type K illustrated (R13K)

Part No.	Type	Colour
R13K	K	●
R13T	T	●
R13J	J	●
R13N	N	●
R13RS	R/S	●
R13E	E	●
R13B	B	●
R13CU	Cu	●

R12 Standard High Temperature Hollow Pin Plug

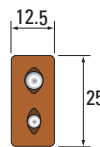
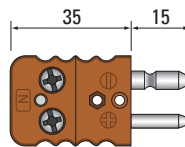


Type T illustrated (R12T)

Part No.	Type	Colour
R12K	K	●
R12T	T	●
R12J	J	●
R12N	N	●
R12RS	R/S	●
R12E	E	●
R12B	B	●
R12CU	Cu	●

R08 Standard High Temp Solid Pin Plug - Quick Wire

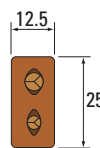
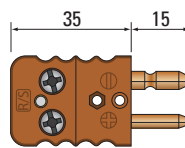
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Part No.	Type	Colour
R08K	K	●
R08T	T	●
R08J	J	●
R08N	N	●
R08RS	R/S	●
R08E	E	●
R08B	B	●
R08CU	Cu	●

R07 Standard High Temp Hollow Pin Plug - Quick Wire

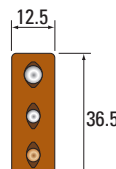
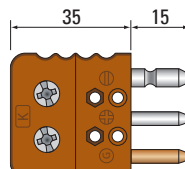
coming soon



Part No.	Type	Colour
R07K	K	●
R07T	T	●
R07J	J	●
R07N	N	●
R07RS	R/S	●
R07E	E	●
R07B	B	●
R07CU	Cu	●

R18 Standard High Temp Solid Pin Plug - Three Pin

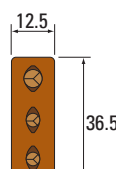
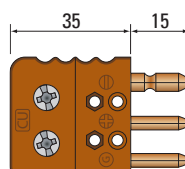
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Part No.	Type	Colour
R18K	K	●
R18T	T	●
R18J	J	●
R18N	N	●
R18RS	R/S	●
R18E	E	●
R18B	B	●
R18CU	Cu	●

R19 Standard High Temp Hollow Pin Plug - Three Pin

coming soon



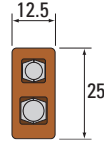
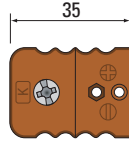
Part No.	Type	Colour
R19K	K	●
R19T	T	●
R19J	J	●
R19N	N	●
R19RS	R/S	●
R19E	E	●
R19B	B	●
R19CU	Cu	●

Note: All high temperature connectors are coloured brown. The thermocouple type is embossed on the body.

All dimensions are in mm

High Temp Standard Sockets rated to 350°C

R22 Standard High Temperature Socket

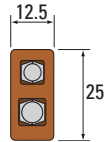
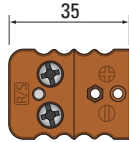


Type K illustrated (R22K)

Part No.	Type	Colour
R22K	K	●
R22T	T	●
R22J	J	●
R22N	N	●
R22RS	R/S	●
R22E	E	●
R22B	B	●
R22CU	Cu	●

R09 Standard High Temperature Socket - Quick Wire

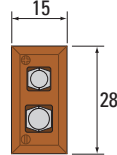
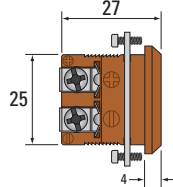
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Part No.	Type	Colour
R09K	K	●
R09T	T	●
R09J	J	●
R09N	N	●
R09RS	R/S	●
R09E	E	●
R09B	B	●
R09CU	Cu	●

R34 Standard High Temp Panel Socket - Rectangle Flanged

coming soon

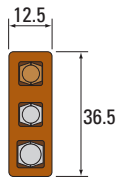
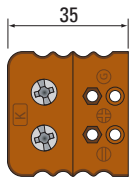


Recommended cutout: 13mm x 26mm

Part No.	Type	Colour
R34K	K	●
R34T	T	●
R34J	J	●
R34N	N	●
R34RS	R/S	●
R34E	E	●
R34B	B	●
R34CU	Cu	●

R33 Standard High Temperature Socket - Three Pin

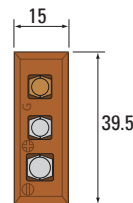
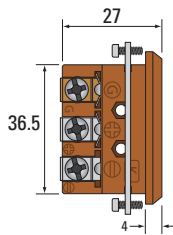
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Part No.	Type	Colour
R33K	K	●
R33T	T	●
R33J	J	●
R33N	N	●
R33RS	R/S	●
R33E	E	●
R33B	B	●
R33CU	Cu	●

R35 Standard High Temp Panel Socket - Rectangle Flanged - Three Pin

coming soon



Recommended cutout: 13mm x 26mm

Part No.	Type	Colour
R35K	K	●
R35T	T	●
R35J	J	●
R35N	N	●
R35RS	R/S	●
R35E	E	●
R35B	B	●
R35CU	Cu	●

Note: All high temperature connectors are coloured brown. The thermocouple type is embossed on the body.

All dimensions are in mm

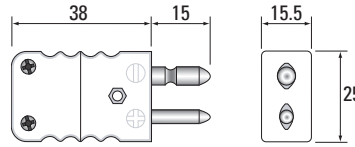
Standard Ceramic Plugs rated to 650°C

R100 Standard Ceramic Solid Pin Plug



Type K ANSI illustrated (R100K-A)

under-side shown to illustrate colour markings



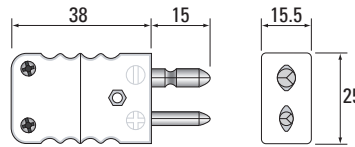
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R100K-A	K	Yellow	R100K-I	K	Green
R100T-A	T	Blue	R100T-I	T	Brown
R100J-A	J	Black	R100J-I	J	Black
R100N-A	N	Orange	R100N-I	N	Pink
R100RS-A	R/S	Green	R100RS-I	R/S	Orange
R100E-A	E	Purple	R100E-I	E	Purple
R100B-A	B	Grey	R100B-I	B	Grey
R100CU	Cu	White	R100CU	Cu	White

R120 Standard Ceramic Hollow Pin Plug



Type K ANSI illustrated (R120K-A)

under-side shown to illustrate colour markings



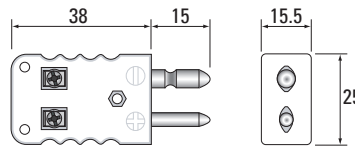
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R120K-A	K	Yellow	R120K-I	K	Green
R120T-A	T	Blue	R120T-I	T	Brown
R120J-A	J	Black	R120J-I	J	Black
R120N-A	N	Orange	R120N-I	N	Pink
R120RS-A	R/S	Green	R120RS-I	R/S	Orange
R120E-A	E	Purple	R120E-I	E	Purple
R120B-A	B	Grey	R120B-I	B	Grey
R120CU	Cu	White	R120CU	Cu	White

R130 Standard Ceramic Solid Pin Plug - Quick Wire



Type K ANSI illustrated (R130K-A)

under-side shown to illustrate colour markings



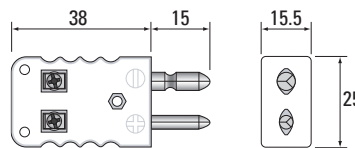
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R130K-A	K	Yellow	R130K-I	K	Green
R130T-A	T	Blue	R130T-I	T	Brown
R130J-A	J	Black	R130J-I	J	Black
R130N-A	N	Orange	R130N-I	N	Pink
R130RS-A	R/S	Green	R130RS-I	R/S	Orange
R130E-A	E	Purple	R130E-I	E	Purple
R130B-A	B	Grey	R130B-I	B	Grey
R130CU	Cu	White	R130CU	Cu	White

R140 Standard Ceramic Hollow Pin Plug - Quick Wire



Type K ANSI illustrated (R140K-A)

under-side shown to illustrate colour markings



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R140K-A	K	Yellow	R140K-I	K	Green
R140T-A	T	Blue	R140T-I	T	Brown
R140J-A	J	Black	R140J-I	J	Black
R140N-A	N	Orange	R140N-I	N	Pink
R140RS-A	R/S	Green	R140RS-I	R/S	Orange
R140E-A	E	Purple	R140E-I	E	Purple
R140B-A	B	Grey	R140B-I	B	Grey
R140CU	Cu	White	R140CU	Cu	White

Note: All ceramic connectors are coloured white. The thermocouple type is marked with a coloured dot on the body. For vacuum applications, connectors can be supplied without a coloured dot.

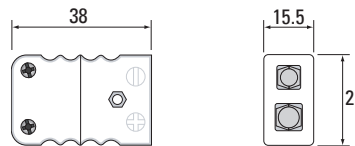
Standard Ceramic Sockets rated to 650°C

R200 Standard Ceramic Socket



Type K ANSI illustrated (R200K-A)

under-side shown to illustrate colour markings



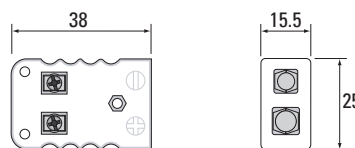
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R200K-A	K	Yellow	R200K-I	K	Green
R200T-A	T	Blue	R200T-I	T	Brown
R200J-A	J	Black	R200J-I	J	Black
R200N-A	N	Orange	R200N-I	N	Pink
R200RS-A	R/S	Green	R200RS-I	R/S	Orange
R200E-A	E	Purple	R200E-I	E	Purple
R200B-A	B	Grey	R200B-I	B	Grey
R200CU	Cu	White	R200CU	Cu	White

R240 Standard Ceramic Socket - Quick Wire



Type K ANSI illustrated (R240K-A)

under-side shown to illustrate colour markings



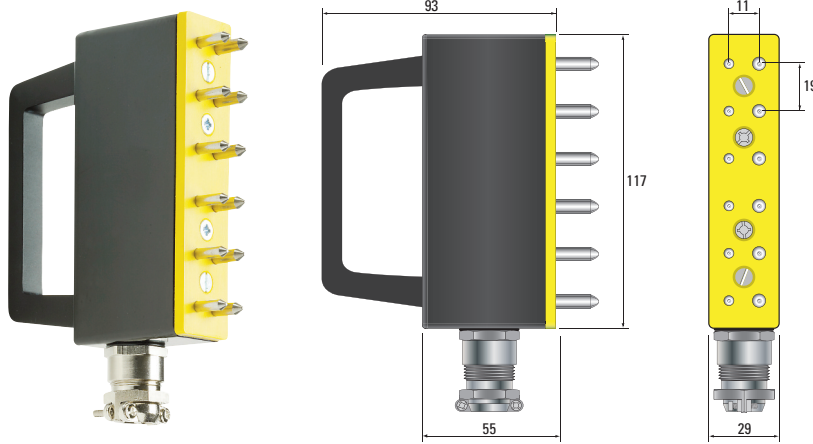
ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
R240K-A	K	Yellow	R240K-I	K	Green
R240T-A	T	Blue	R240T-I	T	Brown
R240J-A	J	Black	R240J-I	J	Black
R240N-A	N	Orange	R240N-I	N	Pink
R240RS-A	R/S	Green	R240RS-I	R/S	Orange
R240E-A	E	Purple	R240E-I	E	Purple
R240B-A	B	Grey	R240B-I	B	Grey
R240CU	Cu	White	R240CU	Cu	White

Note: All ceramic connectors are coloured white. The thermocouple type is marked with a coloured dot on the body. For vacuum applications, connectors can be supplied without a coloured dot.

All dimensions are in mm

Heavy Duty Multi Connectors rated to 220°C

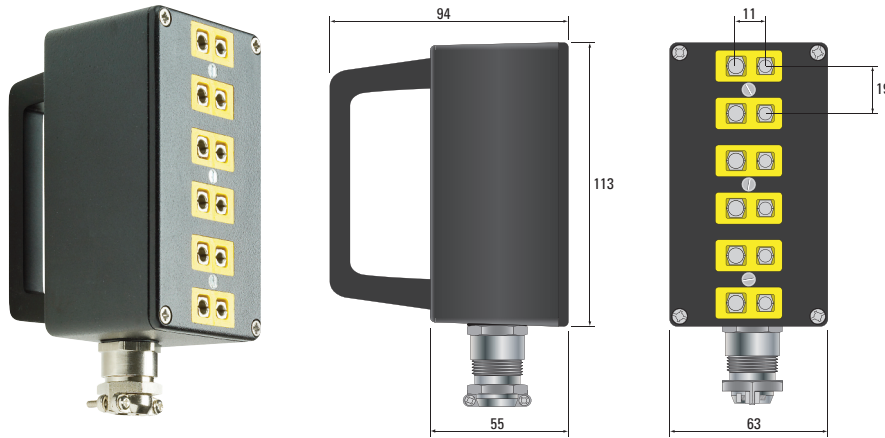
RPP Standard 6 way Heavy Duty Plug



Type K ANSI illustrated (RPPK-A). Cable gland suitable for cables up to 16mm diameter

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
RPPK-A	K	Yellow	RPPK-I	K	Green
RPPT-A	T	Blue	RPPT-I	T	Brown
RPPJ-A	J	Black	RPPJ-I	J	Black
RPPN-A	N	Orange	RPPN-I	N	Pink
RPPRS-A	R/S	Green	RPPRS-I	R/S	Orange
RPPE-A	E	Purple	RPPE-I	E	Purple
RPPB-A	B	Grey	RPPB-I	B	Grey
RPPCU	Cu	White	RPPCU	Cu	White

RPS Standard 6 way Heavy Duty Socket



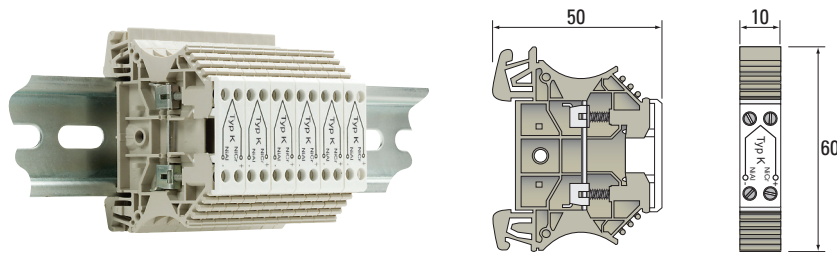
Type K ANSI illustrated (RPSK-A). Cable gland suitable for cables up to 16mm diameter

ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
RPSK-A	K	Yellow	RPSK-I	K	Green
RPST-A	T	Blue	RPST-I	T	Brown
RPSJ-A	J	Black	RPSJ-I	J	Black
RPSN-A	N	Orange	RPSN-I	N	Pink
RPSRS-A	R/S	Green	RPSRS-I	R/S	Orange
RPSE-A	E	Purple	RPSE-I	E	Purple
RPSB-A	B	Grey	RPSB-I	B	Grey
RPSCU	Cu	White	RPSCU	Cu	White

Note: The RPP*-* plug is compatible with the RPS*-* socket or the RWS06 panel

DIN Rail Mounted Terminal Blocks

DTB DIN Rail Mounted Thermocouple Terminal Blocks



A group of six Type K (DTBK) terminal blocks is illustrated

These Thermocouple Terminal Blocks are designed to allow users to connect thermocouple wires or cables on a DIN rail mounting system. Input and output terminals are situated at the top and the bottom of the block and are linked using the appropriate thermocouple material.

All blocks are suitable for mounting onto TS35 DIN Rail (35mm x 7.5mm). DIN Rail is available in lengths of 200, 400 and 500mm but can be cut by the user to the required length.

One end plate (DTBEND) is recommended per group of terminal blocks.

Part No.	Type	Colour
DTBK	K	Green
DTBT	T	Brown
DTBJ	J	Black
DTBN	N	Pink
DTBRS	R/S	Orange
DTBE	E	Purple
DTBB	B	Grey
DTBEND	End Plate	Grey

TS 35 DIN Rail for DIN Rail Mounted Connectors	
DIN Rail Length	Part No. for DIN Rail
200mm	DR200
400mm	DR400
500mm	DR500

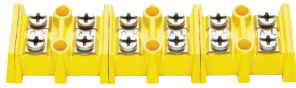
All dimensions are in mm

Barrier Terminal Blocks rated to 220°C

BTS Interconnecting Barrier Terminal Blocks



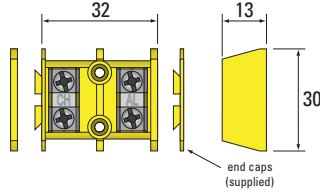
Type K IEC illustrated (BTSK-I)
Terminal lugs and end caps are included



Shown as three units connected

Application

These interconnecting Barrier Terminal Blocks are suitable for use with all thermocouple types as well as Copper for other sensors such as RTD's. Each single block comes complete with terminal lugs and end caps. All are colour coded as shown for easy identification and are temperature rated to 220°C.



ANSI Colours			IEC Colours		
Part No.	Type	Colour	Part No.	Type	Colour
BTSK-A	K	Yellow	BTSK-I	K	Green
BTST-A	T	Blue	BTST-I	T	Brown
BTSJ-A	J	Black	BTSJ-I	J	Black
BTSN-A	N	Orange	BTSN-I	N	Pink
BTSRS-A	R/S	Green	BTSRS-I	R/S	Orange
BTSE-A	E	Purple	BTSE-I	E	Purple
BTSB-A	B	Grey	BTSB-I	B	Grey
BTSCU	Cu	White	BTSCU	Cu	White

TL Spare Terminal Lugs

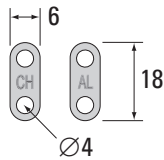


Application

Whilst BTS terminal blocks are supplied complete with terminal lugs, it is possible to purchase them separately as spares or for a new application.

Construction

All lugs are made from the relevant thermocouple material. Terminal Lugs are spares for the Barrier Terminal Strip itself.



Thermocouple Material	Identification Marking	Part No. for Spare Terminal Lugs
Chromel (K+, E+)	CH	TLCH
Alumel (K-)	AL	TLAL
Iron (J+)	IR	TLIR
Constantan (T-, J-, E-)	CO	TLCO
Copper (T+, RCB+, CU+, CU-)	CP	TLCU
Cupronic (RCB-)	11	TLCUPR
Nicrosil (N+)	N+	TLNIC
Nisil (N-)	N-	TLNIS

Thermocouple & RTD Crimp Lugs

SL & RL Spade and Ring Crimp Lugs

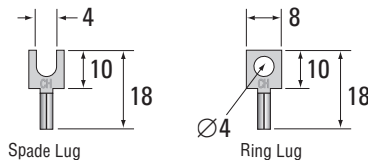


Application

These thermocouple & RTD spade and ring lugs are ideal for attaching to the end of thermocouple (or RTD) leads or alternatively thermocouple extension cable. Using them eliminates any potential problems that may occur by introducing other alloys into the thermocouple circuit which could affect the accuracy of the thermocouple. Both designs of lug will accommodate all wire sizes up to 1.00mm (18 AWG).

Construction

All lugs are made from the relevant thermocouple material. Ring and Spade lugs are crimped to cables.



Thermocouple Material	Identification Marking	Part No. for Spade and Ring Lugs	
		Spade Lugs	Ring Lugs
Chromel (K+, E+)	CH	SLCH	RLCH
Alumel (K-)	AL	SLAL	RLAL
Iron (J+)	IR	SLIR	RLIR
Constantan (T-, J-, E-)	CO	SLCO	RLCO
Copper (T+, RCB+, CU+, CU-)	CP	SLCU	RLCU
Cupronic (RCB-)	11	SLCUPR	RLCUPR
Nicrosil (N+)	N+	SLNIC	RLNIC
Nisil (N-)	N-	SLNIS	RLNIS

Accessories for Standard Connectors

Cable Grommet



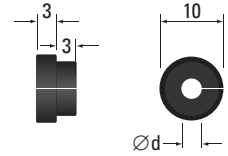
Application

The cable grommet is fitted into the exit hole of the connector which prevents dirt or moisture entering the connector when used with wires or cable.

Construction

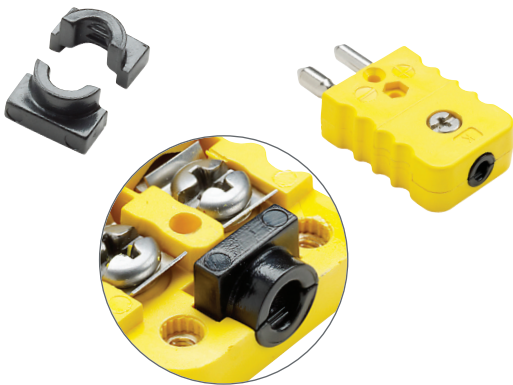
Silicone rubber ring with collar, slit for easy use. Compresses on the wire or cable when connector is fully assembled.

Temperature Rating
200°C.



Diameter 'd'	Part codes for use with connectors: <i>R10, R11, R16, R17, R20, R25, R30, R31, R32, R36, R37, R90, R91 and R92.</i> <i>Can also be used with R12, R13, R18, R19, R22 and R33 but only in conditions below 200°C</i>
1.5mm	R4115
2.5mm	R4125
4.5mm	R4145

Cable and Wire Insert



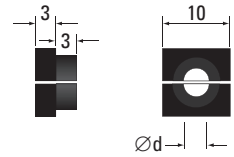
Application

Fitted inside the connector, the insert allows the user to hold wires and cables in place, providing a strong grip without the insert protruding outside of the connector.

Construction

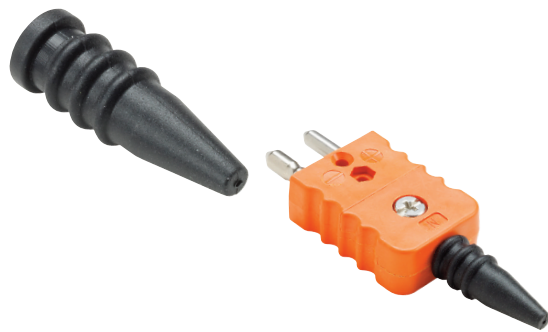
Thermoplastic for either round or oval cables.

Temperature Rating
160°C.



Approximate wire diameter 'd'	Round or Oval	Part codes for use with connectors: <i>R10, R11, R12, R16, R17, R20, R25, R30, R31, R32, R33, R36, R37, R90, R91 and R92 in applications up to 160°C</i>
3.5mm	Round	R5035
2.0 x 1.5mm	Oval	R502015

Cable Bending Protection



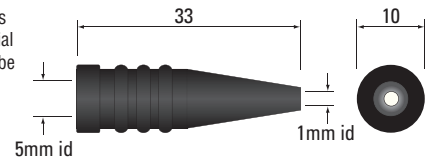
Application

Provides bending protection for small wires and cables when used with standard connectors. Reduces potential mechanical damage to the cable. The conical end can be cut back to suit the cable.

Construction

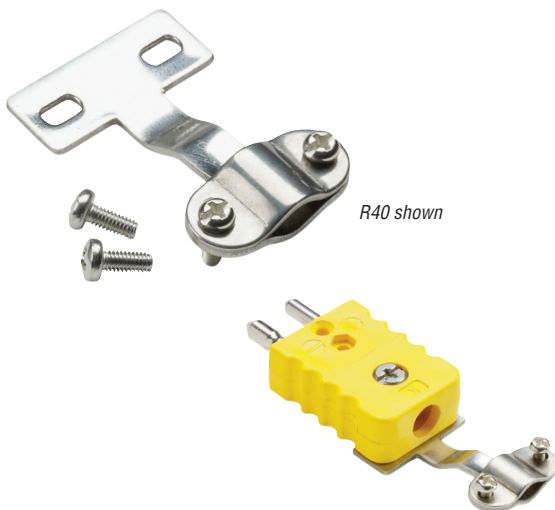
Silicone Rubber tapered insert.

Temperature Rating
200°C.



Part code for use with connectors: <i>R10, R11, R16, R17, R20, R25, R30, R31, R32, R36, R37, R90, R91 and R92.</i> <i>Can also be used with R12, R13, R18, R19, R22 and R33 but only in conditions below 200°C</i>
R43

Cable Clamp



Application

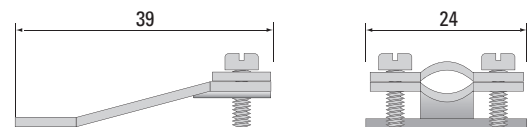
Allows the user to clamp wires and cables in place.

Construction

Stainless steel including stainless steel screws.

Temperature Rating

800°C (only limited by the temperature rating of the cable or connector it is attached to).



R40 shown

Part code for use with most 220°C & 350°C rated standard connectors <i>(R10, R11, R12, R13, R16, R17, R18, R19, R20, R22, R25, R30, R31, R32, R33, R36 and R37)</i>	Part code for use with duplex 220°C rated standard connectors <i>(R90, R91 and R92)</i>	Part code for use with 650°C rated ceramic connectors: <i>(R100, R120 and R200)</i>
R40	R46	R45

All dimensions are in mm

Accessories for Standard Connectors

Internal Crimp/Braze Adaptor



Application

This adaptor can be crimped onto a mineral insulated cable or metal tube so it may then be attached to a standard connector. A crimp tool is available - see page 30.

Stainless steel adaptors may also be brazed. Brass adaptors can also be used to crimp some soft materials such as PVC or PFA wires and cables.

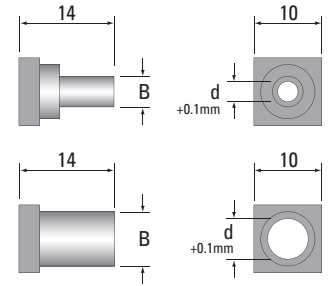
Construction

For 220°C and 350°C range connectors: Nickel Plated Brass, Brass or Stainless Steel.

For Ceramic connectors: Stainless Steel only.

Notes

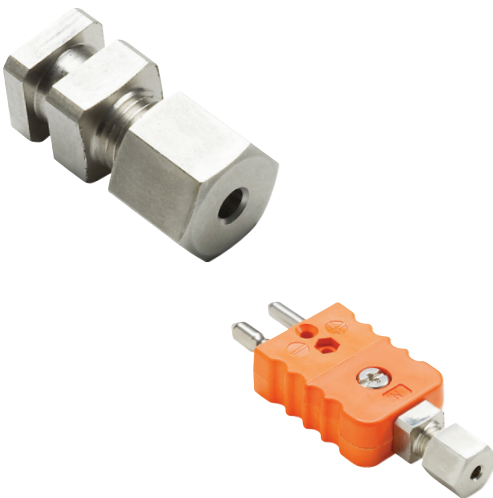
Bore diameters listed are supplied at 'd' +0.1mm.



to suit tube diameter 'd'	Crimp diameter 'B'	Part codes for use with 220°C and 350°C rated connectors: <i>R10, R11, R12, R13, R16, R17, R18, R19, R20, R22, R25, R30, R31, R32, R33, R36, R37, R90, R91 & R92. For ceramic connectors R100, R120 and R200, only use the stainless steel R80XX series shown below</i>		
		Nickel Plated Brass	Plain Brass	Stainless Steel*
0.5mm	2.4mm	R8905	R8905B	R8005
0.8mm	2.4mm	-	R8908B	-
1.0mm	2.4mm	R8910	R8910B	R8010
1.5mm	3.2mm	R8915	R8915B	R8015
1.6mm (1/16")	3.2mm	R8916	R8916B	R8016
2.0mm	3.2mm	R8920	R8920B	R8020
2.3mm	3.2mm	R8923	-	-
3.0mm	4.4mm	R8930	R8930B	R8030
3.2mm (1/8")	4.4mm	R8932	R8932B	R8032
4.0mm	6.0mm	R8940	-	-
4.5mm	6.0mm	R8945	R8945B	R8045
4.8mm (3/16")	6.0mm	R8948	R8948B	R8048
5.5mm	6.5mm	R8955	-	-
6.0mm	8.0mm	R8960	R8960B	R8060
6.4mm (1/4")	8.0mm	R8964	R8964B	R8064

* Stainless Steel versions are recommended for users wishing to braze a tube to an adaptor, although they can be crimped in place with a suitable crimp tool - see page 30

Internal Compression Tube Adaptor



Application

This adaptor compresses onto a mineral insulated cable or metal tube so it may then be attached to a standard connector.

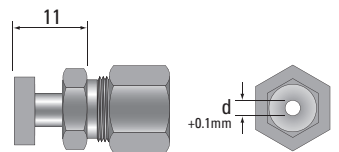
For use with 220°C and 350°C plastic and 650°C ceramic versions.

Construction

All Stainless Steel parts.

Notes

Bore diameters listed are supplied at 'd' +0.1mm.



To suit tube diameter 'd'	Part codes for use with 220°C, 350°C and 650°C connectors: <i>R10, R11, R12, R13, R16, R17, R18, R19, R20, R22, R25, R30, R31, R32, R33, R36, R37, R90, R91, R92, R100, R120 and R200</i>
1.5mm	R7115
1.6mm (1/16")	R7116
2.0mm	R7120
3.0mm	R7130
3.2mm (1/8")	R7132
4.5mm	R7145
4.8mm (3/16")	R7148
6.0mm	R7160
6.4mm (1/4")	R7164

All dimensions are in mm

Accessories for Standard Connectors

External 'L' Bracket Crimp/Braze Adaptor



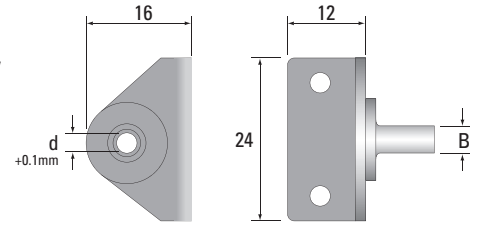
Application

This bracket adaptor crimps or brazes onto a mineral insulated cable or metal tube so it may then be attached to a standard connector. Provides a stronger solution than the Internal Crimp/Braze Adaptor.

Construction
Stainless Steel.

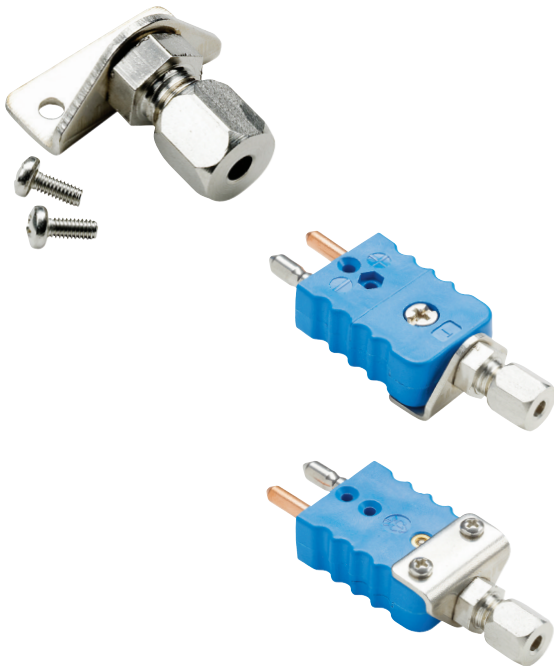
Notes

Bore diameters listed are supplied at 'd' +0.1mm.



to suit tube diameter 'd'	Crimp diameter 'B'	Part codes for use with 220°C and 350°C rated connectors: <i>R10, R11, R12, R13, R16, R17, R18, R19, R20, R22, R25, R30, R31, R32, R33, R36 and R37</i>
1.5mm	2.4mm	R8515
1.6mm (1/16")	2.4mm	R8516
3.0mm	4.4mm	R8530
3.2mm (1/8")	4.4mm	R8532
4.5mm	6.0mm	R8545
4.8mm (3/16")	6.0mm	R8548
6.0mm	8.0mm	R8560
6.4mm	8.0mm	R8564

External Compression Tube Adaptor



Application

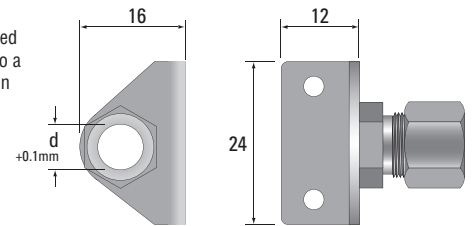
This adaptor compresses onto a mineral insulated cable or metal tube so it may then be attached to a standard connector. Provides a stronger solution than the Internal Compression Tube Adaptor.

Construction

All Stainless Steel parts with Brass olive.

Notes

Bore diameters listed are supplied at 'd' +0.1mm.



To suit tube diameter 'd'	Part codes for use with 220°C and 350°C rated connectors, <i>R51XX series can be used with connectors: R10, R11, R12, R13, R16, R17, R18, R19, R20, R22, R25, R30, R31, R32, R33, R36, R37, R90, R91 and R92.</i> <i>R52XX series can be used with connectors: R100, R120 and R200</i>	
	For use with 220°C and 350°C connectors	For use with 650°C ceramic connectors
1.5mm	R5115	R5215
1.6mm (1/16")	R5116	R5216
2.0mm	R5120	R5220
3.0mm	R5130	R5230
3.2mm (1/8")	R5132	R5232
4.5mm	R5145	R5245
4.8mm (3/16")	R5148	R5248
6.0mm	R5160	R5260
6.4mm (1/4")	R5164	R5264
8.0mm	R5180	R5280

All dimensions are in mm

Accessories for Standard Connectors

'U' Bracket Cable & Wire Clamp



R47 shown

Application

Allows the user to attach a pair of standard connectors together and use as a cable and wire clamp.

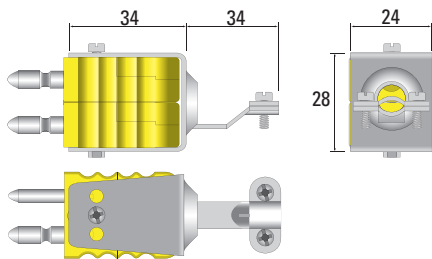
Construction

Stainless steel including stainless steel screws.

Part codes for use with a pair of:		
220°C and 350°C rated two pin connectors R10, R11, R12, R13, R20, R22, R30, R32, R36 or R37	220°C and 350°C rated three pin connectors R16, R17, R18, R19, R25, R31 or R33	650°C rated ceramic connectors R100, R120 or R200
R47	R48	R49

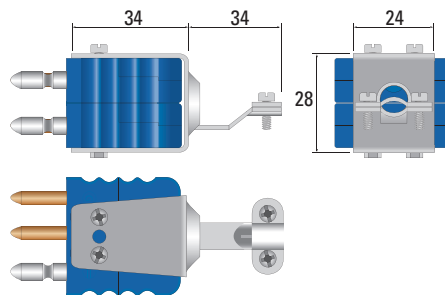
R47

for use with a pair of two pin connectors



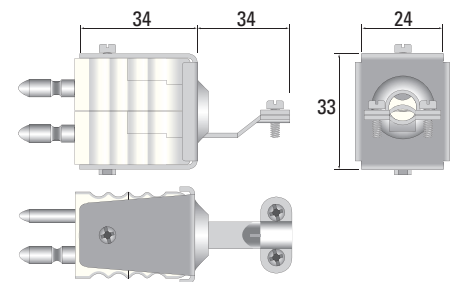
R48

for use with a pair of three pin connectors



R49

for use with a pair of ceramic two pin connectors



'U' Bracket Crimp Adaptor



R9460 shown.

Application

This adaptor crimps onto a mineral insulated cable or metal tube so it may then be attached to a pair of standard connectors. A crimp tool is also available for 8.0mm crimp diameter - see page 30.

Construction

Stainless Steel.

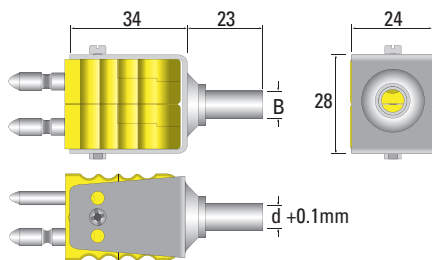
Notes

Bore diameters listed are supplied at 'd' +0.1mm.

		Part codes for use with a pair of:		
to suit tube diameter 'd'	Crimp diameter 'B'	220°C and 350°C rated two pin connectors R10, R11, R12, R13, R20, R22, R30, R32, R36 or R37	220°C and 350°C rated three pin connectors R16, R17, R18, R19, R25, R31 or R33	650°C rated ceramic connectors R100, R120 or R200
6.0mm	8.0mm	R9460	R9560	R9660
6.4mm (1/4")	8.0mm	R9464	R9564	R9664
8.0mm	10.0mm	R9480	R9580	R9680

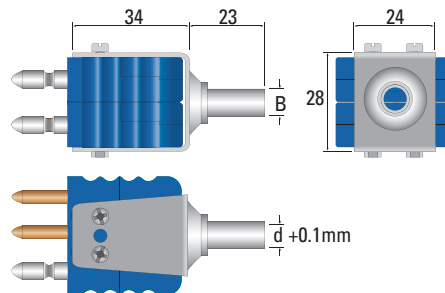
R94XX

for use with a pair of two pin connectors



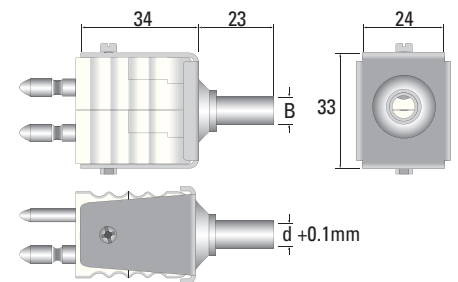
R95XX

for use with a pair of three pin connectors



R96XX

for use with a pair of ceramic two pin connectors



All dimensions are in mm

Accessories for Standard Connectors

'U' Bracket Compression Tube Adaptor



R5660 shown

Application

This adaptor compresses onto a mineral insulated cable or metal tube so it may then be attached to a pair of standard connectors.

Construction

Stainless Steel with Brass olive.

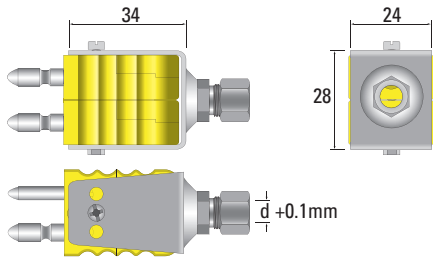
Notes

Bore diameters listed are supplied at 'd' +0.1mm.

to suit tube diameter 'd'	Part codes for use with a pair of:		
	220°C and 350°C rated two pin connectors <i>R10, R11, R12, R13, R20, R22, R30, R32, R36 or R37</i>	220°C and 350°C rated three pin connectors <i>R16, R17, R18, R19, R25, R31 or R33</i>	650°C rated ceramic connectors <i>R100, R120 or R200</i>
1.5mm	R5615	R5715	R5815
1.6mm (1/16")	R5616	R5716	R5816
3.0mm	R5630	R5730	R5830
3.2mm (1/8")	R5632	R5732	R5832
4.5mm	R5645	R5745	R5845
4.8mm (3/16")	R5648	R5748	R5848
6.0mm	R5660	R5760	R5860
6.4mm (1/4")	R5664	R5764	R5864
8.0mm	R5680	R5780	R5880

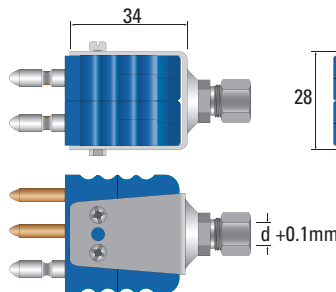
R56XX

for use with a pair of two pin connectors



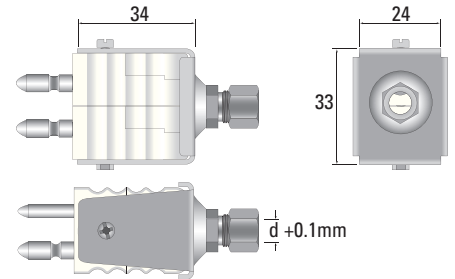
R57XX

for use with a pair of three pin connectors

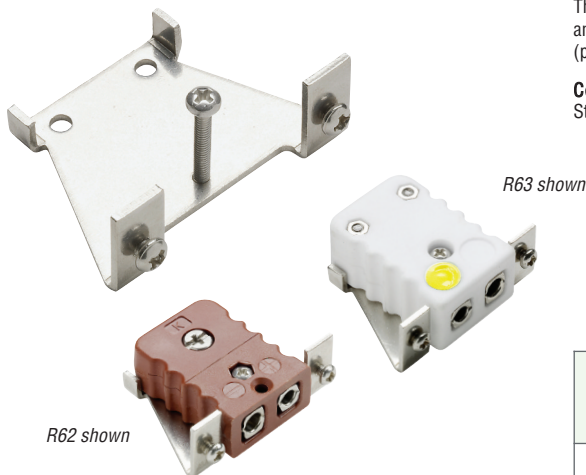


R58XX

for use with a pair of ceramic two pin connectors



Panel Bracket Adaptor



R62 shown

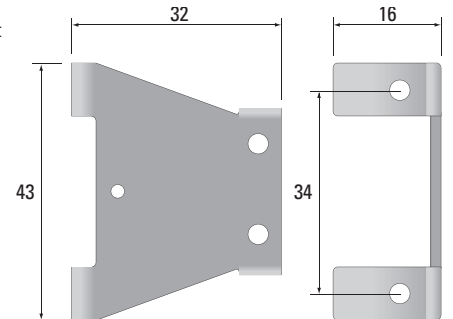
R63 shown

Application

This adaptor allows the user to use a normal socket and adapt it to fit into RSC Series panels for R62 (page 31) or RCC Series panels for R63 (page 32).

Construction

Stainless Steel bracket and screws.



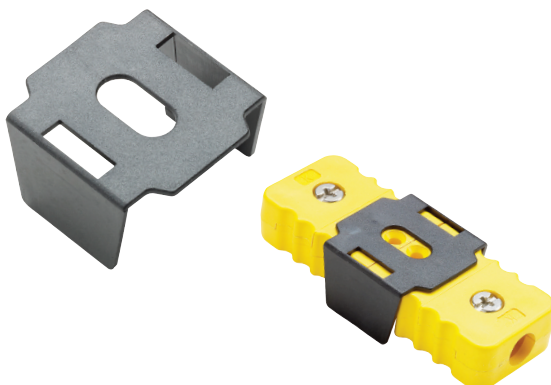
Part code for use with connectors:
R09 and R22

R62

Part code for use with ceramic connectors:
R200 and R240

R63

Plastic Locking Clip



Application

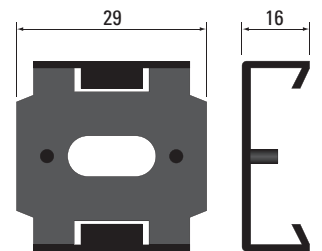
For extra protection to prevent accidental disconnection of a standard plug and socket. Can be easily placed over a closed pair of connectors by hand (does not require special tools).

Construction

Thermoplastic.

Temperature Rating

220°C.



Part code for use with connectors:
R10 and R20 or R11 and R20

R69

All dimensions are in mm

Accessories for Standard Connectors

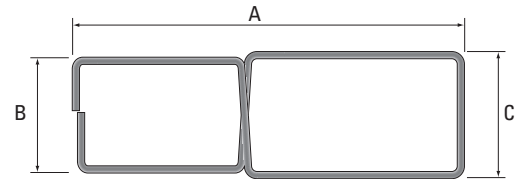
Wire Locking Clip



Application

These wire clips are used to prevent accidental disconnection of a standard plug and socket. Can be easily placed over a closed pair of connectors by hand (does not require special tools).

Construction: Stainless Steel Wire.

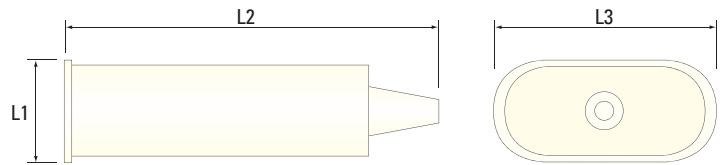


Part codes for use with a pair of:	
220°C and 350°C rated two pin connectors R11 / R10 and R20, R13 / R12 and R22 (A=45mm, B=15mm, C=17mm)	650°C rated ceramic connectors R100 / R120 and R200 (A=50mm, B=18mm, C=20mm)
R66	R65

Protection Boots



R68 shown with connector in position



R68 shown

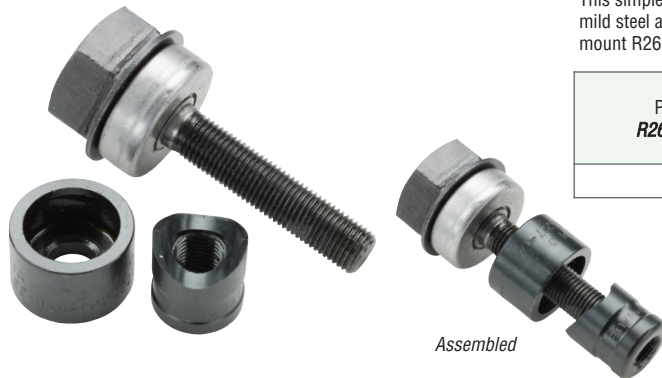
Application

When using two of these protection boots, the user can prevent moisture or dirt from entering a connected pair of connectors. One boot is required per connector.

Construction: Silicone Rubber. **Temperature Rating:** 170°C.

Part code for use with two pin connectors: R10 and R20 or R11 and R20 (L1=15mm, L2=55mm, L3=33mm)	Part code for use with three pin connectors: R16 and R25 (L1=15mm, L2=55mm, L3=46mm)
R68	R67

Panel Punch



Assembled

Application

This simple device can be used to punch a hole in aluminium, mild steel and some plastics up to 3.5mm thick in order to mount R26, R26H and R32 connectors.

Part code for use with connectors: R26 and R26H - 27mm diameter cutout	Part code for use with connector R32 only - 28.3mm diameter cutout
R98	R99

Crimp Tool

Crimp Tool for use with Miniature and Standard Crimp Adaptors



Die Sets supplied separately

Application


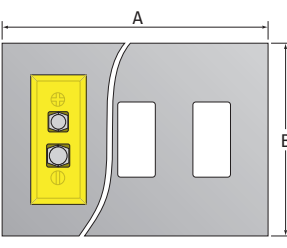
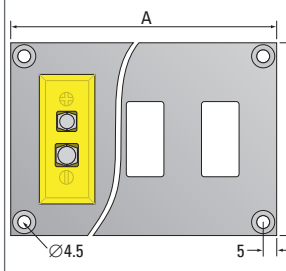
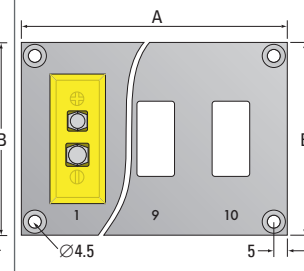
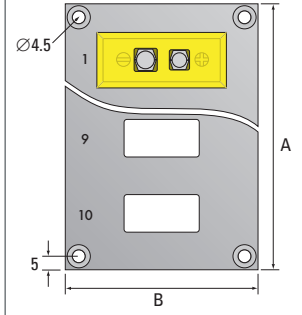
The HCT crimp tool can be used with most of our crimpable tube adaptors (except 10.0mm crimp diameter). Crimp diameters can be found on the relevant accessory page.

Part codes suitable for use with crimp adaptors: F80**, F87**, F89**, F89**B, R80**, R85 **, R89**, R89**B, R94 **, R95** and R96**	
Crimp Tool	HCT
Die Set 1 – Crimp Diameters: 2.4, 3.2 & 4.4mm*	HCDIE1
Die Set 2 – Crimp Diameters: 6.0, 6.5 & 8.0mm*	HCDIE2

Note: * These are crimp diameters, not tube diameters

Standard Connector Panels

Anodised Aluminium and Stainless Steel Panels - For Flanged 2 Pin Standard Connectors


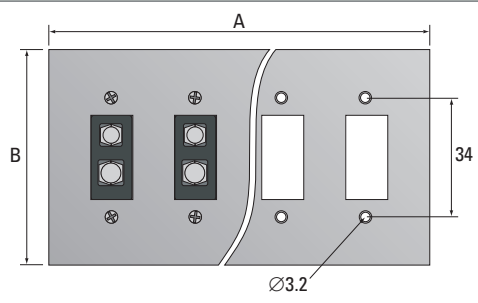
For use with connectors R29 , R29S and R34		RFP / RSP Panel without panel mounting holes		RFS / RSS Panel with panel mounting holes		RFH Horizontal, numbered panel with panel mounting holes	RFV Vertical, numbered panel with panel mounting holes
							
No. of Channels	Dimensions A x B in mm	RFP Aluminium Panel	RSP Stainless Steel Panel	RFS Aluminium Panel	RSS Stainless Steel Panel	RFH Aluminium Panel	RFV Aluminium Panel
1	37 x 67	RFP01	RSP01	RFS01	RSS01	RFH01	RFV01
2	62 x 67	RFP02	RSP02	RFS02	RSS02	RFH02	RFV02
4	112 x 67	RFP04	RSP04	RFS04	RSS04	RFH04	RFV04
6	162 x 67	RFP06	RSP06	RFS06	RSS06	RFH06	RFV06
8	212 x 67	RFP08	RSP08	RFS08	RSS08	RFH08	RFV08
10	262 x 67	RFP10	RSP10	RFS10	RSS10	RFH10	RFV10
12	312 x 67	RFP12	RSP12	RFS12	RSS12	RFH12	RFV12
16	212 x 113.5	RFP16	–	RFS16	–	RFH16	RFV16
20	262 x 113.5	RFP20	–	RFS20	–	RFH20	RFV20
24	312 x 113.5	RFP24	–	RFS24	–	RFH24	RFV24

These panels are suitable for use with the following connectors, which should be ordered separately:

R29 - Standard Flanged Panel Socket with Bracket, **R29S** - Standard Flanged Panel Socket with Spring Clip, **R34** - Standard High Temp Flanged Panel Socket with Bracket*

*Note: Aluminium Panels are rated to 250°C which is lower than the rating of the connectors marked with an asterisk (R34).

Anodised Aluminium and Stainless Steel Panels - For use with Lugged 2 Pin Standard Connectors

For use with connectors R27 , R30 , R37 and R22		RCP / RSC Panel without panel mounting holes		
				
No. of Channels	Dimensions A x B in mm	RCP Aluminium Panel	RSC Stainless Steel Panel	
1	37 x 67	RCP01	RSC01	
2	62 x 67	RCP02	RSC02	
4	112 x 67	RCP04	RSC04	
6	162 x 67	RCP06	RSC06	
8	212 x 67	RCP08	RSC08	
10	262 x 67	RCP10	RSC10	
12	312 x 67	RCP12	RSC12	

These panels are suitable for use with the following connectors, which should be ordered separately:

R27 - Standard Lugged Open Back Panel Socket, **R30** - Standard Lugged Closed Back Panel Socket,


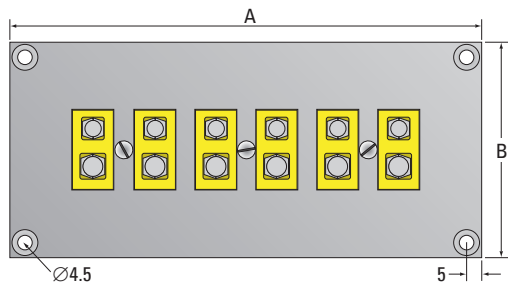
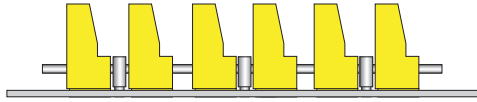
R37 - Standard Lugged Closed Back Panel Plug and **R22** - Standard High Temp Socket with **R62** Adaptor*

*Note: Aluminium Panels are rated to 250°C which is lower than the rating of the connectors marked with an asterisk (R22).


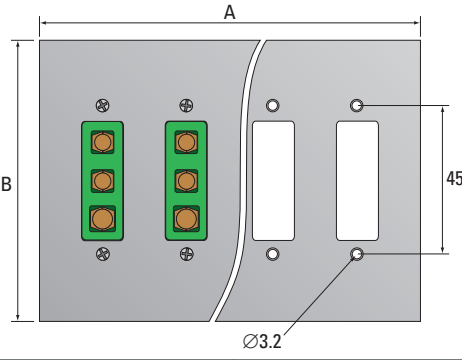
All dimensions are in mm

Standard Connector Panels


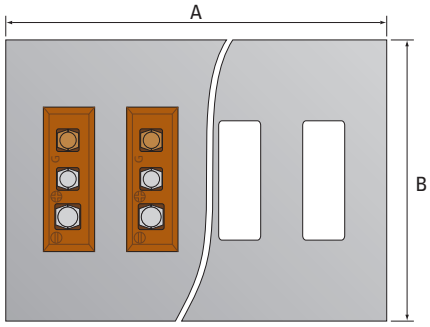
Anodised Aluminium Panel with Mounting Kit - For use with R28 Connectors

For use with connector R28		RWS Panel with panel mounting holes	
			
		<p>Note: Connectors should be ordered separately. The RWS06 panel is compatible with the 6 way plug RPP*-*</p>	
No. of Channels	Dimensions A x B in mm	RWS Aluminium Panel The six way panel is supplied complete with a mounting kit	Additional Mounting Kit for 6-way Panel Kit comprises of a set of fixing adaptors, bar and screws
6	146 x 67	RWS06	RMK06

Anodised Aluminium and Stainless Steel Panels - For use with 3 Pin Standard Panel Connectors


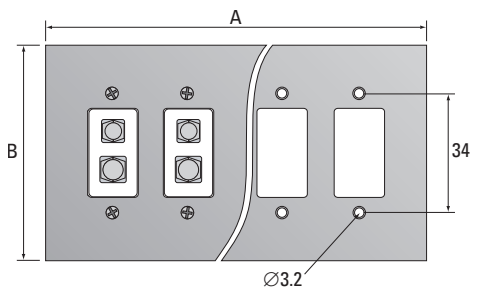
For use with connector R31		RCT / RST Panel without panel mounting holes	
			
No. of Channels	Dimensions A x B in mm	RCT Aluminium Panel	RST Stainless Steel Panel
2	62 x 67	RCT02	RST02
4	112 x 67	RCT04	RST04
6	162 x 67	RCT06	RST06

These panels are suitable for use with the following connectors, which should be ordered separately: **R31** - Standard Three Pin Lugged Panel Socket

For use with connector R35		RFT / RSF Panel without panel mounting holes	
			
No. of Channels	Dimensions A x B in mm	RFT Aluminium Panel	RSF Stainless Steel Panel
2	62 x 67	RFT02	RSF02
4	112 x 67	RFT04	RSF04
6	162 x 67	RFT06	RSF06

These panels are suitable for use with the following connectors, which should be ordered separately: **R35** - Standard High Temp Three Pin Flanged Panel Socket*
*Note: Aluminium Panels are rated to 250°C which is lower than the rating of the connectors marked with an asterisk (R35).

Stainless Steel Panels - For use with Standard Ceramic Connectors

For use with connector R200		RCC Panel without panel mounting holes		No. of Channels	Dimensions A x B in mm	RCC Stainless Steel Panel
				2	62 x 67	RCC02
				4	112 x 67	RCC04
				6	162 x 67	RCC06
				12	312 x 67	RCC12

These panels are suitable for use with the following connectors, which should be ordered separately: **R200** - Standard Ceramic Socket with **R63** Adaptor

All dimensions are in mm

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OneTemp Pty Ltd
Adelaide | Melbourne | Sydney | Brisbane
Australia
Tel: 1300 768 887
Fax: 1300 786 661
Email: sales@onetemp.com.au
Web: www.onetemp.com.au